

# Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific Video Card will take you to the chart it appears in and will highlight it for you.

### Single Video Card

Find Videocard

| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|--|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <a href="#">GeForce RTX 4090</a>               | 37945                                | 1                      | <a href="#">25.31</a>              | <a href="#">\$1,499.00*</a> |
| <a href="#">GeForce RTX 3090 Ti</a>            | 29602                                | 2                      | <a href="#">26.91</a>              | <a href="#">\$1,099.99</a>  |
| <a href="#">Radeon RX 6950 XT</a>              | 28388                                | 3                      | <a href="#">36.16</a>              | <a href="#">\$784.99</a>    |
| <a href="#">GeForce RTX 3080 Ti</a>            | 27308                                | 4                      | <a href="#">30.34</a>              | <a href="#">\$899.99</a>    |
| <a href="#">GeForce RTX 3090</a>               | 26689                                | 5                      | <a href="#">26.69</a>              | <a href="#">\$999.99</a>    |
| <a href="#">GeForce RTX 3080 12GB</a>          | 26590                                | 6                      | NA                                 | NA                          |
| <a href="#">Radeon RX 6900 XT</a>              | 26154                                | 7                      | <a href="#">37.36</a>              | <a href="#">\$699.99</a>    |
| <a href="#">GeForce RTX 3080</a>               | 25201                                | 8                      | <a href="#">36.00</a>              | <a href="#">\$699.99</a>    |
| <a href="#">Radeon RX 6800 XT</a>              | 24034                                | 9                      | <a href="#">43.31</a>              | <a href="#">\$554.99</a>    |
| <a href="#">GeForce RTX 3070 Ti</a>            | 23603                                | 10                     | <a href="#">42.92</a>              | <a href="#">\$549.99</a>    |
| <a href="#">RTX A5000</a>                      | 23558                                | 11                     | <a href="#">8.95</a>               | <a href="#">\$2,631.20*</a> |
| <a href="#">RTX A5500</a>                      | 22734                                | 12                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 3070</a>               | 22295                                | 13                     | <a href="#">44.59</a>              | <a href="#">\$499.99</a>    |
| <a href="#">RTX A6000</a>                      | 22229                                | 14                     | <a href="#">4.74</a>               | <a href="#">\$4,689.99</a>  |
| <a href="#">GeForce RTX 2080 Ti</a>            | 21845                                | 15                     | <a href="#">21.88</a>              | <a href="#">\$998.59*</a>   |
| <a href="#">Radeon RX 6850M XT</a>             | 21792                                | 16                     | NA                                 | NA                          |
| <a href="#">Radeon RX 6800</a>                 | 21132                                | 17                     | <a href="#">42.27</a>              | <a href="#">\$499.99</a>    |
| <a href="#">RTX A4500</a>                      | 20625                                | 18                     | <a href="#">11.77</a>              | <a href="#">\$1,752.60*</a> |
| <a href="#">GeForce RTX 3080 Ti Laptop GPU</a> | 20516                                | 19                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 3060 Ti</a>            | 20408                                | 20                     | <a href="#">52.85</a>              | <a href="#">\$386.18</a>    |
| <a href="#">TITAN RTX</a>                      | 20024                                | 21                     | <a href="#">7.16</a>               | <a href="#">\$2,794.99*</a> |
| <a href="#">TITAN V</a>                        | 19773                                | 22                     | <a href="#">9.89</a>               | <a href="#">\$1,999.99*</a> |
| <a href="#">Radeon RX 6750 XT</a>              | 19638                                | 23                     | <a href="#">45.01</a>              | <a href="#">\$436.28</a>    |
| <a href="#">Quadro GV100</a>                   | 19592                                | 24                     | <a href="#">2.18</a>               | <a href="#">\$8,999.00*</a> |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|--|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <a href="#">GeForce RTX 2080 SUPER</a>             | 19541                                | 25                     | <a href="#">28.57</a>              | <a href="#">\$683.99*</a>   |
| <a href="#">Quadro RTX 6000</a>                    | 19484                                | 26                     | <a href="#">3.09</a>               | <a href="#">\$6,300.00*</a> |
| <a href="#">Radeon RX 6700 XT</a>                  | 19215                                | 27                     | <a href="#">48.04</a>              | <a href="#">\$399.99</a>    |
| <a href="#">NVIDIA TITAN Xp</a>                    | 19126                                | 28                     | <a href="#">11.63</a>              | <a href="#">\$1,645.00*</a> |
| <a href="#">Quadro RTX 8000</a>                    | 19126                                | 29                     | <a href="#">4.03</a>               | <a href="#">\$4,741.49*</a> |
| <a href="#">Radeon PRO W6800</a>                   | 18977                                | 30                     | <a href="#">8.65</a>               | <a href="#">\$2,194.99*</a> |
| <a href="#">Radeon RX 6700</a>                     | 18932                                | 31                     | NA                                 | NA                          |
| <a href="#">TITAN Xp COLLECTORS EDITION</a>        | 18876                                | 32                     | NA                                 | NA                          |
| <a href="#">RTX A4000</a>                          | 18819                                | 33                     | <a href="#">15.25</a>              | <a href="#">\$1,233.98*</a> |
| <a href="#">GeForce RTX 2080</a>                   | 18730                                | 34                     | <a href="#">23.50</a>              | <a href="#">\$797.05*</a>   |
| <a href="#">A10G</a>                               | 18723                                | 35                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 3070 Ti Laptop GPU</a>     | 18407                                | 36                     | NA                                 | NA                          |
| <a href="#">GeForce GTX 1080 Ti</a>                | 18391                                | 37                     | <a href="#">38.01</a>              | <a href="#">\$483.82*</a>   |
| <a href="#">RTX A4500 Laptop GPU</a>               | 18360                                | 38                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 2070 SUPER</a>             | 18187                                | 39                     | <a href="#">35.26</a>              | <a href="#">\$515.82*</a>   |
| <a href="#">Radeon RX 6650 XT</a>                  | 17512                                | 40                     | <a href="#">56.69</a>              | <a href="#">\$308.92</a>    |
| <a href="#">GeForce RTX 3060</a>                   | 17070                                | 41                     | <a href="#">51.89</a>              | <a href="#">\$329.00*</a>   |
| <a href="#">TITAN V CEO Edition</a>                | 16987                                | 42                     | NA                                 | NA                          |
| <a href="#">Radeon RX 5700 XT</a>                  | 16907                                | 43                     | <a href="#">21.16</a>              | <a href="#">\$799.00*</a>   |
| <a href="#">Tesla P40</a>                          | 16864                                | 44                     | NA                                 | NA                          |
| <a href="#">Radeon Pro VII</a>                     | 16853                                | 45                     | NA                                 | NA                          |
| <a href="#">Radeon VII</a>                         | 16837                                | 46                     | <a href="#">8.86</a>               | <a href="#">\$1,899.95*</a> |
| <a href="#">Radeon RX 5700 XT 50th Anniversary</a> | 16680                                | 47                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 3080 Laptop GPU</a>        | 16586                                | 48                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 2060 SUPER</a>             | 16569                                | 49                     | <a href="#">50.21</a>              | <a href="#">\$329.99</a>    |
| <a href="#">RTX A5500 Laptop GPU</a>               | 16562                                | 50                     | NA                                 | NA                          |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <a href="#">Quadro RTX 5000</a>                    | 16197                                | 51                     | NA                                 | NA                          |
| <a href="#">GeForce RTX 2070</a>                   | 16110                                | 52                     | <a href="#">25.68</a>              | <a href="#">\$627.44*</a>   |
| <a href="#">RTX A5000 Laptop GPU</a>               | 16083                                | 53                     | NA                                 | NA                          |
| <a href="#">Radeon RX 6600 XT</a>                  | 16040                                | 54                     | <a href="#">47.18</a>              | <a href="#">\$339.99</a>    |
| <a href="#">GeForce RTX 2060 12GB</a>              | 15958                                | 55                     | NA                                 | NA                          |
| <a href="#">RTX A4000 Laptop GPU</a>               | 15694                                | 56                     | NA                                 | NA                          |
| <a href="#">Quadro GP100</a>                       | 15607                                | 57                     | NA                                 | NA                          |
| <a href="#">Quadro RTX 4000</a>                    | 15451                                | 58                     | <a href="#">17.19</a>              | <a href="#">\$899.00*</a>   |
| <a href="#">GeForce RTX 3070 Laptop GPU</a>        | 15351                                | 59                     | NA                                 | NA                          |
| <a href="#">GeForce GTX 1080</a>                   | 15345                                | 60                     | <a href="#">34.66</a>              | <a href="#">\$442.79*</a>   |

| Videocard Name                                  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <u>GeForce RTX 2080 (Mobile)</u>                | 15107                                   | 61                        | NA                                    | NA                          |
| <u>Radeon Pro W5700</u>                         | 15099                                   | 62                        | <a href="#">9.15</a>                  | <a href="#">\$1,649.99*</a> |
| <u>Quadro P6000</u>                             | 14974                                   | 63                        | <a href="#">4.61</a>                  | <a href="#">\$3,250.00*</a> |
| <u>RTX A3000 12GB Laptop GPU</u>                | 14963                                   | 64                        | NA                                    | NA                          |
| <u>Quadro RTX 5000 (Mobile)</u>                 | 14832                                   | 65                        | NA                                    | NA                          |
| <u>Radeon Pro Vega II</u>                       | 14737                                   | 66                        | NA                                    | NA                          |
| <u>Radeon RX 5700</u>                           | 14638                                   | 67                        | <a href="#">16.27</a>                 | <a href="#">\$899.95*</a>   |
| <u>Radeon RX Vega 64</u>                        | 14632                                   | 68                        | <a href="#">19.51</a>                 | <a href="#">\$749.99*</a>   |
| <u>Radeon PRO W6600</u>                         | 14623                                   | 69                        | NA                                    | NA                          |
| <u>GeForce GTX 1070 Ti</u>                      | 14615                                   | 70                        | <a href="#">37.57</a>                 | <a href="#">\$389.00*</a>   |
| <u>Radeon RX 6600</u>                           | 14496                                   | 71                        | <a href="#">44.06</a>                 | <a href="#">\$329.00*</a>   |
| <u>GeForce RTX 2070 Super with Max-Q Design</u> | 14151                                   | 72                        | NA                                    | NA                          |
| <u>RTX A2000 12GB</u>                           | 14069                                   | 73                        | NA                                    | NA                          |
| <u>GeForce RTX 2060</u>                         | 13987                                   | 74                        | <a href="#">49.96</a>                 | <a href="#">\$279.99</a>    |
| <u>Quadro RTX 5000 with Max-Q Design</u>        | 13927                                   | 75                        | NA                                    | NA                          |
| <u>Radeon Pro WX 8200</u>                       | 13882                                   | 76                        | <a href="#">8.68</a>                  | <a href="#">\$1,599.39*</a> |
| <u>GeForce GTX 980 Ti</u>                       | 13856                                   | 77                        | <a href="#">17.38</a>                 | <a href="#">\$797.08</a>    |
| <u>Radeon RX 5600 XT</u>                        | 13830                                   | 78                        | <a href="#">25.38</a>                 | <a href="#">\$545.00*</a>   |
| <u>Radeon RX 6800S</u>                          | 13800                                   | 79                        | NA                                    | NA                          |
| <u>GeForce RTX 2080 Super with Max-Q Design</u> | 13766                                   | 80                        | NA                                    | NA                          |
| <u>NVIDIA TITAN X</u>                           | 13659                                   | 81                        | <a href="#">22.46</a>                 | <a href="#">\$608.10*</a>   |
| <u>Radeon RX Vega 56</u>                        | 13629                                   | 82                        | <a href="#">18.10</a>                 | <a href="#">\$752.99*</a>   |
| <u>GeForce GTX 1070</u>                         | 13500                                   | 83                        | <a href="#">39.41</a>                 | <a href="#">\$342.55*</a>   |
| <u>Radeon RX 6650M</u>                          | 13472                                   | 84                        | NA                                    | NA                          |
| <u>Radeon Vega Frontier Edition</u>             | 13443                                   | 85                        | <a href="#">8.00</a>                  | <a href="#">\$1,679.99*</a> |
| <u>GeForce RTX 2080 with Max-Q Design</u>       | 13429                                   | 87                        | <a href="#">6.40</a>                  | <a href="#">\$2,099.99*</a> |
| <u>Quadro RTX 4000 with Max-Q Design</u>        | 13429                                   | 88                        | NA                                    | NA                          |
| <u>Radeon Pro WX 9100</u>                       | 13429                                   | 86                        | NA                                    | NA                          |
| <u>RTX A2000</u>                                | 13406                                   | 89                        | <a href="#">27.64</a>                 | <a href="#">\$485.00</a>    |
| <u>GeForce GTX TITAN X</u>                      | 13241                                   | 90                        | <a href="#">12.07</a>                 | <a href="#">\$1,096.99*</a> |
| <u>Radeon RX 6700S</u>                          | 13213                                   | 91                        | NA                                    | NA                          |
| <u>Radeon RX 6700M</u>                          | 13177                                   | 92                        | <a href="#">37.65</a>                 | <a href="#">\$349.99</a>    |
| <u>Radeon PRO W6600X</u>                        | 13113                                   | 93                        | NA                                    | NA                          |
| <u>GeForce RTX 3060 Laptop GPU</u>              | 13021                                   | 94                        | <a href="#">36.17</a>                 | <a href="#">\$359.99</a>    |
| <u>GeForce GTX 1660 SUPER</u>                   | 12770                                   | 95                        | <a href="#">57.01</a>                 | <a href="#">\$223.99</a>    |
| <u>Quadro P5200</u>                             | 12757                                   | 96                        | NA                                    | NA                          |

| Videocard Name                            | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <u>RTX A3000 Laptop GPU</u>               | 12752                                   | 97                        | NA                                    | NA                          |
| <u>GeForce RTX 3050</u>                   | 12706                                   | 98                        | NA                                    | NA                          |
| <u>Tesla T10</u>                          | 12650                                   | 99                        | NA                                    | NA                          |
| Videocard Name                            | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <u>Quadro P5200 with Max-Q Design</u>     | 12649                                   | 100                       | NA                                    | NA                          |
| <u>Radeon Pro 5700 XT</u>                 | 12621                                   | 101                       | NA                                    | NA                          |
| <u>Quadro RTX 4000 (Mobile)</u>           | 12593                                   | 102                       | NA                                    | NA                          |
| <u>Radeon Pro Vega 64</u>                 | 12579                                   | 103                       | NA                                    | NA                          |
| <u>Radeon Pro Vega 56</u>                 | 12516                                   | 104                       | NA                                    | NA                          |
| <u>GeForce RTX 2070 (Mobile)</u>          | 12354                                   | 105                       | NA                                    | NA                          |
| <u>RadeonT RX 6850M</u>                   | 12274                                   | 106                       | NA                                    | NA                          |
| <u>Radeon Pro V520 MxGPU</u>              | 12257                                   | 107                       | NA                                    | NA                          |
| <u>Quadro P5000</u>                       | 12011                                   | 108                       | <a href="#">6.43</a>                  | <a href="#">\$1,868.99*</a> |
| <u>GeForce RTX 2070 with Max-Q Design</u> | 11943                                   | 109                       | NA                                    | NA                          |
| <u>Quadro M6000 24GB</u>                  | 11877                                   | 110                       | NA                                    | NA                          |
| <u>GeForce GTX 1660 Ti</u>                | 11872                                   | 111                       | <a href="#">53.16</a>                 | <a href="#">\$223.32</a>    |
| <u>Quadro P4200 with Max-Q Design</u>     | 11869                                   | 112                       | NA                                    | NA                          |
| <u>Radeon Pro 5700</u>                    | 11844                                   | 113                       | NA                                    | NA                          |
| <u>Radeon RX 6600M</u>                    | 11757                                   | 114                       | <a href="#">49.43</a>                 | <a href="#">\$237.84</a>    |
| <u>Quadro M6000</u>                       | 11749                                   | 115                       | <a href="#">2.43</a>                  | <a href="#">\$4,827.53*</a> |
| <u>GeForce GTX 1660</u>                   | 11727                                   | 116                       | <a href="#">61.72</a>                 | <a href="#">\$189.99</a>    |
| <u>Tesla M40 24GB</u>                     | 11658                                   | 117                       | NA                                    | NA                          |
| <u>GeForce GTX 1080 with Max-Q Design</u> | 11482                                   | 118                       | NA                                    | NA                          |
| <u>Quadro P4000</u>                       | 11441                                   | 119                       | <a href="#">20.57</a>                 | <a href="#">\$556.19*</a>   |
| <u>GeForce RTX 2060 (Mobile)</u>          | 11354                                   | 120                       | NA                                    | NA                          |
| <u>Radeon Pro Vega 48</u>                 | 11352                                   | 121                       | NA                                    | NA                          |
| <u>Radeon RX 5600</u>                     | 11287                                   | 122                       | NA                                    | NA                          |
| <u>GeForce GTX 980</u>                    | 11222                                   | 123                       | <a href="#">45.37</a>                 | <a href="#">\$247.35*</a>   |
| <u>Quadro RTX 3000</u>                    | 11100                                   | 124                       | NA                                    | NA                          |
| <u>RTX A1000 Embedded GPU</u>             | 11047                                   | 125                       | NA                                    | NA                          |
| <u>RTX A2000 8GB Laptop GPU</u>           | 10990                                   | 126                       | NA                                    | NA                          |
| <u>Radeon RX 6800M</u>                    | 10934                                   | 127                       | NA                                    | NA                          |
| <u>Tesla T4</u>                           | 10809                                   | 128                       | <a href="#">2.42</a>                  | <a href="#">\$4,464.49</a>  |
| <u>Radeon Pro SSG</u>                     | 10497                                   | 129                       | <a href="#">4.36</a>                  | <a href="#">\$2,410.15*</a> |
| <u>GeForce GTX 1070 (Mobile)</u>          | 10465                                   | 130                       | NA                                    | NA                          |
| <u>Tesla M40</u>                          | 10193                                   | 131                       | <a href="#">16.99</a>                 | <a href="#">\$600.00*</a>   |
| <u>GeForce GTX 1660 Ti (Mobile)</u>       | 10176                                   | 132                       | NA                                    | NA                          |



| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon R9 Fury X</a>                   | 10146                                   | 133                       | NA                                    | NA                          |
| <a href="#">RTX A2000 Laptop GPU</a>               | 10110                                   | 134                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 1650 SUPER</a>             | 10075                                   | 135                       | <a href="#">22.85</a>                 | <a href="#">\$441.05*</a>   |
| <a href="#">GeForce GTX 1060</a>                   | 10067                                   | 136                       | <a href="#">35.96</a>                 | <a href="#">\$279.99*</a>   |
| <a href="#">GeForce GTX 1070 with Max-Q Design</a> | 10064                                   | 137                       | NA                                    | NA                          |
| <a href="#">Quadro P4200</a>                       | 10053                                   | 138                       | NA                                    | NA                          |
| <a href="#">GeForce RTX 3050 Ti Laptop GPU</a>     | 9838                                    | 139                       | NA                                    | NA                          |
| <a href="#">Intel Arc A770</a>                     | 9806                                    | 140                       | NA                                    | NA                          |
| <a href="#">Radeon R9 Fury + Fury X</a>            | 9741                                    | 141                       | <a href="#">21.65</a>                 | <a href="#">\$449.99*</a>   |
| <a href="#">GeForce GTX 1060 3GB</a>               | 9719                                    | 142                       | <a href="#">36.00</a>                 | <a href="#">\$269.99*</a>   |
| <a href="#">GeForce RTX 2060 with Max-Q Design</a> | 9715                                    | 143                       | NA                                    | NA                          |
| <a href="#">Radeon RX 590</a>                      | 9658                                    | 144                       | <a href="#">17.56</a>                 | <a href="#">\$549.99*</a>   |
| <a href="#">GeForce GTX 970</a>                    | 9648                                    | 145                       | <a href="#">40.54</a>                 | <a href="#">\$237.99*</a>   |
| <a href="#">Radeon R9 Fury</a>                     | 9558                                    | 146                       | <a href="#">21.57</a>                 | <a href="#">\$443.10*</a>   |
| <a href="#">RTX A1000 Laptop GPU</a>               | 9468                                    | 147                       | NA                                    | NA                          |
| <a href="#">Radeon R9 390X</a>                     | 9458                                    | 148                       | NA                                    | NA                          |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Quadro P2200</a>                       | 9453                                    | 149                       | <a href="#">20.56</a>                 | <a href="#">\$459.80*</a>   |
| <a href="#">GeForce GTX 780 Ti</a>                 | 9368                                    | 150                       | <a href="#">27.56</a>                 | <a href="#">\$339.99*</a>   |
| <a href="#">Quadro P3200 with Max-Q Design</a>     | 9305                                    | 151                       | NA                                    | NA                          |
| <a href="#">Radeon RX 6500 XT</a>                  | 9282                                    | 152                       | <a href="#">58.02</a>                 | <a href="#">\$159.99</a>    |
| <a href="#">Radeon Pro W5500</a>                   | 9277                                    | 153                       | <a href="#">19.29</a>                 | <a href="#">\$480.99*</a>   |
| <a href="#">Quadro M5000</a>                       | 9266                                    | 154                       | <a href="#">18.57</a>                 | <a href="#">\$499.00*</a>   |
| <a href="#">GeForce GTX TITAN Z</a>                | 9188                                    | 155                       | <a href="#">6.07</a>                  | <a href="#">\$1,515.00*</a> |
| <a href="#">Radeon RX 5500 XT</a>                  | 9187                                    | 156                       | <a href="#">49.67</a>                 | <a href="#">\$184.99*</a>   |
| <a href="#">GeForce RTX 3050 Laptop GPU</a>        | 9153                                    | 157                       | <a href="#">32.12</a>                 | <a href="#">\$284.99</a>    |
| <a href="#">Radeon Pro 5600M</a>                   | 9152                                    | 158                       | NA                                    | NA                          |
| <a href="#">Quadro P4000 with Max-Q Design</a>     | 9082                                    | 159                       | NA                                    | NA                          |
| <a href="#">GeForce GTX TITAN Black</a>            | 9062                                    | 160                       | <a href="#">17.26</a>                 | <a href="#">\$524.99*</a>   |
| <a href="#">GeForce GTX 1060 5GB</a>               | 9050                                    | 161                       | <a href="#">18.55</a>                 | <a href="#">\$487.99*</a>   |
| <a href="#">Radeon R9 390</a>                      | 9049                                    | 162                       | NA                                    | NA                          |
| <a href="#">Radeon RX 580</a>                      | 8922                                    | 163                       | <a href="#">24.51</a>                 | <a href="#">\$364.01*</a>   |
| <a href="#">Radeon R9 290X</a>                     | 8842                                    | 164                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 4800HS</a>              | 8841                                    | 165                       | NA                                    | NA                          |
| <a href="#">Intel Arc A750</a>                     | 8798                                    | 166                       | NA                                    | NA                          |
| <a href="#">Radeon RX 5500</a>                     | 8765                                    | 167                       | NA                                    | NA                          |
| <a href="#">Radeon RX 480</a>                      | 8700                                    | 168                       | <a href="#">25.59</a>                 | <a href="#">\$339.99*</a>   |

| Videocard Name                               | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|--|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>GeForce GTX 1660 Ti with Max-Q Design</u> | 8697                                 | 169                    | NA                                 | NA                          |
| <u>Quadro RTX 3000 with Max-Q Design</u>     | 8653                                 | 170                    | NA                                 | NA                          |
| <u>Radeon R9 295X2</u>                       | 8598                                 | 171                    | <a href="#">17.23</a>              | <a href="#">\$499.10*</a>   |
| <u>Radeon RX590 GME</u>                      | 8596                                 | 172                    | NA                                 | NA                          |
| <u>Quadro P3200</u>                          | 8574                                 | 173                    | <a href="#">22.03</a>              | <a href="#">\$389.30*</a>   |
| <u>Radeon Ryzen 9 4900HS</u>                 | 8572                                 | 174                    | NA                                 | NA                          |
| <u>Ryzen 7 6800HS with Radeon Graphics</u>   | 8472                                 | 175                    | NA                                 | NA                          |
| <u>Radeon R9 290</u>                         | 8389                                 | 177                    | NA                                 | NA                          |
| <u>Radeon R9 290X / 390X</u>                 | 8389                                 | 176                    | <a href="#">26.22</a>              | <a href="#">\$319.99*</a>   |
| <u>Radeon Pro 5500 XT</u>                    | 8355                                 | 178                    | NA                                 | NA                          |
| <u>Radeon Pro Duo</u>                        | 8323                                 | 179                    | <a href="#">6.94</a>               | <a href="#">\$1,199.06*</a> |
| <u>15FF</u>                                  | 8229                                 | 180                    | NA                                 | NA                          |
| <u>GeForce GTX 1060 (Mobile)</u>             | 8160                                 | 181                    | NA                                 | NA                          |
| <u>GeForce GTX Titan</u>                     | 8157                                 | 182                    | <a href="#">10.95</a>              | <a href="#">\$745.00*</a>   |
| <u>Radeon R9 290 / 390</u>                   | 8150                                 | 183                    | <a href="#">21.45</a>              | <a href="#">\$380.00*</a>   |
| <u>Quadro K6000</u>                          | 8134                                 | 184                    | <a href="#">38.62</a>              | <a href="#">\$210.66*</a>   |
| <u>Radeon RX 470/570</u>                     | 8100                                 | 185                    | <a href="#">20.82</a>              | <a href="#">\$388.99*</a>   |
| <u>GeForce GTX 780</u>                       | 8051                                 | 186                    | <a href="#">28.76</a>              | <a href="#">\$279.99*</a>   |
| <u>Radeon RX 580 2048SP</u>                  | 7955                                 | 187                    | NA                                 | NA                          |
| <u>Radeon Pro WX 7100</u>                    | 7931                                 | 188                    | <a href="#">7.57</a>               | <a href="#">\$1,047.99*</a> |
| <u>Quadro M5500</u>                          | 7915                                 | 189                    | NA                                 | NA                          |
| <u>GeForce GTX 1060 with Max-Q Design</u>    | 7913                                 | 190                    | NA                                 | NA                          |
| <u>GeForce GTX 1650</u>                      | 7820                                 | 191                    | <a href="#">48.88</a>              | <a href="#">\$159.99</a>    |
| <u>Radeon RX 580X</u>                        | 7798                                 | 192                    | NA                                 | NA                          |
| <u>T1000 8GB</u>                             | 7793                                 | 193                    | NA                                 | NA                          |
| <u>T1200 Laptop GPU</u>                      | 7777                                 | 194                    | NA                                 | NA                          |
| <u>Tesla M60</u>                             | 7770                                 | 195                    | <a href="#">9.86</a>               | <a href="#">\$787.90*</a>   |
| <u>Radeon Pro 580</u>                        | 7753                                 | 196                    | NA                                 | NA                          |
| <u>T1000</u>                                 | 7751                                 | 197                    | <a href="#">22.21</a>              | <a href="#">\$348.99</a>    |
| Videocard Name                               | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>FirePro W9100</u>                         | 7719                                 | 198                    | <a href="#">4.46</a>               | <a href="#">\$1,729.99*</a> |
| <u>Radeon RX 5600M</u>                       | 7597                                 | 199                    | NA                                 | NA                          |
| <u>Radeon Pro 580X</u>                       | 7540                                 | 200                    | NA                                 | NA                          |
| <u>GeForce GTX 1650 Ti</u>                   | 7513                                 | 201                    | NA                                 | NA                          |
| <u>Tesla M6</u>                              | 7509                                 | 202                    | <a href="#">37.73</a>              | <a href="#">\$199.00*</a>   |
| <u>Radeon Pro 5300</u>                       | 7491                                 | 203                    | NA                                 | NA                          |
| <u>GeForce GTX 980M</u>                      | 7348                                 | 204                    | <a href="#">25.34</a>              | <a href="#">\$289.99*</a>   |

| Videocard Name                               | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>A40</u>                                   | 7330                                 | 205                    | NA                                 | NA                        |
| <u>RadeonT RX 5300</u>                       | 7321                                 | 206                    | NA                                 | NA                        |
| <u>FirePro W8100</u>                         | 7313                                 | 207                    | <a href="#">10.39</a>              | <a href="#">\$704.00*</a> |
| <u>Radeon RX 5300</u>                        | 7266                                 | 208                    | NA                                 | NA                        |
| <u>Tesla P100-PCIE-16GB</u>                  | 7225                                 | 209                    | NA                                 | NA                        |
| <u>Quadro T2000</u>                          | 7180                                 | 210                    | <a href="#">13.59</a>              | <a href="#">\$528.35*</a> |
| <u>Quadro P2000</u>                          | 7107                                 | 211                    | <a href="#">13.11</a>              | <a href="#">\$542.00*</a> |
| <u>GeForce GTX 1650 (Mobile)</u>             | 6968                                 | 212                    | NA                                 | NA                        |
| <u>Quadro M5000M</u>                         | 6964                                 | 213                    | <a href="#">12.73</a>              | <a href="#">\$546.92*</a> |
| <u>Radeon RX 6400</u>                        | 6952                                 | 214                    | <a href="#">43.45</a>              | <a href="#">\$159.99</a>  |
| <u>T600 Laptop GPU</u>                       | 6941                                 | 215                    | NA                                 | NA                        |
| <u>Quadro T2000 with Max-Q Design</u>        | 6841                                 | 216                    | NA                                 | NA                        |
| <u>Radeon Pro 5500M</u>                      | 6803                                 | 217                    | NA                                 | NA                        |
| <u>Radeon PRO W6400</u>                      | 6799                                 | 218                    | NA                                 | NA                        |
| <u>Ryzen 9 5900HS with Radeon Graphics</u>   | 6715                                 | 219                    | NA                                 | NA                        |
| <u>GeForce GTX 970XM FORCE</u>               | 6706                                 | 220                    | NA                                 | NA                        |
| <u>Quadro T1000 with Max-Q Design</u>        | 6658                                 | 221                    | NA                                 | NA                        |
| <u>Radeon RX Vega M GH</u>                   | 6631                                 | 222                    | NA                                 | NA                        |
| <u>Quadro M4000</u>                          | 6626                                 | 223                    | <a href="#">18.31</a>              | <a href="#">\$362.00*</a> |
| <u>Quadro P3000</u>                          | 6565                                 | 224                    | NA                                 | NA                        |
| <u>Quadro T1000</u>                          | 6536                                 | 225                    | <a href="#">14.79</a>              | <a href="#">\$441.99*</a> |
| <u>T600</u>                                  | 6511                                 | 226                    | <a href="#">26.05</a>              | <a href="#">\$249.99*</a> |
| <u>GeForce RTX 2050</u>                      | 6484                                 | 227                    | NA                                 | NA                        |
| <u>Quadro M4000M</u>                         | 6411                                 | 228                    | <a href="#">25.15</a>              | <a href="#">\$254.91*</a> |
| <u>GeForce MX570 A</u>                       | 6350                                 | 229                    | NA                                 | NA                        |
| <u>Radeon Pro 570</u>                        | 6336                                 | 230                    | NA                                 | NA                        |
| <u>GeForce GTX 1650 Ti with Max-Q Design</u> | 6322                                 | 231                    | NA                                 | NA                        |
| <u>GeForce GTX 1050 Ti</u>                   | 6296                                 | 232                    | <a href="#">33.14</a>              | <a href="#">\$189.99</a>  |
| <u>Radeon RX 6500M</u>                       | 6264                                 | 233                    | NA                                 | NA                        |
| <u>Radeon R9 280X</u>                        | 6261                                 | 234                    | NA                                 | NA                        |
| <u>Radeon R9 380</u>                         | 6245                                 | 235                    | <a href="#">69.41</a>              | <a href="#">\$89.99*</a>  |
| <u>Radeon R9 380X</u>                        | 6192                                 | 236                    | <a href="#">17.69</a>              | <a href="#">\$349.99*</a> |
| <u>FirePro W9000</u>                         | 6138                                 | 237                    | <a href="#">7.26</a>               | <a href="#">\$845.00*</a> |
| <u>Radeon Instinct MI25 MxGPU</u>            | 6076                                 | 238                    | NA                                 | NA                        |
| <u>Radeon Pro WX Vega M GL</u>               | 6049                                 | 239                    | NA                                 | NA                        |
| <u>GeForce GTX 960</u>                       | 6026                                 | 240                    | <a href="#">35.04</a>              | <a href="#">\$172.00*</a> |
| <u>Ryzen 9 6900HS with Radeon Graphics</u>   | 6001                                 | 241                    | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <a href="#">GeForce MX570</a>                           | 5980                                 | 242                    | NA                                 | NA                          |
| <a href="#">Ryzen 7 6800H</a>                           | 5969                                 | 243                    | NA                                 | NA                          |
| <a href="#">P106-100</a>                                | 5967                                 | 244                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1650 with Max-Q Design</a>      | 5956                                 | 245                    | NA                                 | NA                          |
| <a href="#">Quadro K5200</a>                            | 5945                                 | 246                    | <a href="#">14.33</a>              | <a href="#">\$415.00*</a>   |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <a href="#">GRID P100-16Q</a>                           | 5944                                 | 247                    | NA                                 | NA                          |
| <a href="#">Radeon Pro 5300M</a>                        | 5932                                 | 248                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1050 Ti (Mobile)</a>            | 5918                                 | 249                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 770</a>                         | 5867                                 | 250                    | <a href="#">23.57</a>              | <a href="#">\$249.00*</a>   |
| <a href="#">GeForce GTX 970M</a>                        | 5748                                 | 251                    | <a href="#">27.37</a>              | <a href="#">\$209.99*</a>   |
| <a href="#">Radeon Pro WX 7130</a>                      | 5721                                 | 252                    | NA                                 | NA                          |
| <a href="#">Quadro M3000M</a>                           | 5655                                 | 253                    | <a href="#">35.36</a>              | <a href="#">\$159.95*</a>   |
| <a href="#">Radeon R9 280</a>                           | 5644                                 | 254                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 690</a>                         | 5577                                 | 255                    | <a href="#">19.85</a>              | <a href="#">\$280.99*</a>   |
| <a href="#">Radeon HD 7990</a>                          | 5565                                 | 256                    | <a href="#">13.91</a>              | <a href="#">\$399.99*</a>   |
| <a href="#">Radeon R9 285 / 380</a>                     | 5549                                 | 257                    | <a href="#">11.44</a>              | <a href="#">\$485.00*</a>   |
| <a href="#">GeForce GTX 680</a>                         | 5547                                 | 258                    | <a href="#">13.90</a>              | <a href="#">\$399.00*</a>   |
| <a href="#">GRID M60-8A</a>                             | 5523                                 | 259                    | NA                                 | NA                          |
| <a href="#">Radeon Pro WX 5100</a>                      | 5475                                 | 260                    | <a href="#">9.94</a>               | <a href="#">\$550.95*</a>   |
| <a href="#">GeForce GTX 760 Ti OEM</a>                  | 5427                                 | 261                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1050 Ti with Max-Q Design</a>   | 5355                                 | 262                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 950</a>                         | 5354                                 | 263                    | <a href="#">37.71</a>              | <a href="#">\$141.99*</a>   |
| <a href="#">FirePro S10000</a>                          | 5315                                 | 264                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 670</a>                         | 5291                                 | 265                    | <a href="#">27.28</a>              | <a href="#">\$193.98*</a>   |
| <a href="#">Radeon HD 7970 / R9 280X</a>                | 5247                                 | 266                    | <a href="#">21.25</a>              | <a href="#">\$246.99*</a>   |
| <a href="#">Radeon HD 8990</a>                          | 5214                                 | 267                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1050 3GB</a>                    | 5201                                 | 268                    | NA                                 | NA                          |
| <a href="#">FirePro W7100</a>                           | 5175                                 | 269                    | <a href="#">13.29</a>              | <a href="#">\$389.30*</a>   |
| <a href="#">GeForce GTX 760 Ti</a>                      | 5166                                 | 270                    | <a href="#">17.36</a>              | <a href="#">\$297.50*</a>   |
| <a href="#">Q12U-1</a>                                  | 5164                                 | 271                    | NA                                 | NA                          |
| <a href="#">Radeon R9 M295X</a>                         | 5150                                 | 272                    | <a href="#">3.55</a>               | <a href="#">\$1,449.00*</a> |
| <a href="#">Radeon R9 M395</a>                          | 5140                                 | 273                    | NA                                 | NA                          |
| <a href="#">Radeon Pro Vega 20</a>                      | 5116                                 | 274                    | NA                                 | NA                          |
| <a href="#">Ryzen 9 PRO 6950HS with Radeon Graphics</a> | 5067                                 | 275                    | NA                                 | NA                          |
| <a href="#">GeForce GTX 1050</a>                        | 5061                                 | 276                    | <a href="#">29.11</a>              | <a href="#">\$173.92</a>    |

| Videocard Name                                | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>FirePro S9000</u>                          | 5059                                 | 277                    | NA                                 | NA                        |
| <u>EIZO Quadro MED-XN51LP</u>                 | 5048                                 | 278                    | NA                                 | NA                        |
| <u>Ryzen 7 6800HS Creator Edition</u>         | 4993                                 | 279                    | NA                                 | NA                        |
| <u>Barco MXRT 7600</u>                        | 4943                                 | 280                    | <a href="#">8.20</a>               | <a href="#">\$602.59*</a> |
| <u>Radeon R9 270X</u>                         | 4929                                 | 281                    | <a href="#">15.10</a>              | <a href="#">\$326.50*</a> |
| <u>GeForce GTX 1630</u>                       | 4927                                 | 282                    | <a href="#">30.80</a>              | <a href="#">\$159.99</a>  |
| <u>Ryzen 7 PRO 6850U with Radeon Graphics</u> | 4909                                 | 283                    | NA                                 | NA                        |
| <u>FirePro S9050</u>                          | 4901                                 | 284                    | NA                                 | NA                        |
| <u>T550 Laptop GPU</u>                        | 4856                                 | 285                    | NA                                 | NA                        |
| <u>GeForce GTX 760</u>                        | 4778                                 | 286                    | <a href="#">32.07</a>              | <a href="#">\$149.00*</a> |
| <u>GRID RTX6000P-6Q</u>                       | 4777                                 | 287                    | NA                                 | NA                        |
| <u>Radeon Ryzen 7 4800H</u>                   | 4776                                 | 288                    | NA                                 | NA                        |
| <u>Radeon R9 M395X</u>                        | 4775                                 | 289                    | NA                                 | NA                        |
| <u>Radeon RX 5500M</u>                        | 4774                                 | 290                    | NA                                 | NA                        |
| <u>Radeon HD 7950 / R9 280</u>                | 4764                                 | 291                    | <a href="#">36.04</a>              | <a href="#">\$132.20*</a> |
| <u>Quadro P2000 with Max-Q Design</u>         | 4754                                 | 292                    | NA                                 | NA                        |
| <u>Ryzen 7 6800U with Radeon Graphics</u>     | 4750                                 | 293                    | NA                                 | NA                        |
| <u>Radeon Sky 500</u>                         | 4736                                 | 294                    | NA                                 | NA                        |
| <u>Ryzen 7 PRO 6860Z with Radeon Graphics</u> | 4728                                 | 295                    | NA                                 | NA                        |
| Videocard Name                                | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>GRID P40-24Q</u>                           | 4727                                 | 296                    | NA                                 | NA                        |
| <u>Radeon R9 370</u>                          | 4722                                 | 297                    | <a href="#">29.51</a>              | <a href="#">\$159.99*</a> |
| <u>Radeon Pro Vega 16</u>                     | 4682                                 | 298                    | NA                                 | NA                        |
| <u>Radeon HD 7870</u>                         | 4654                                 | 299                    | <a href="#">26.45</a>              | <a href="#">\$176.00*</a> |
| <u>GRID T4-8Q</u>                             | 4583                                 | 300                    | NA                                 | NA                        |
| <u>B8DKMDAP</u>                               | 4557                                 | 301                    | NA                                 | NA                        |
| <u>Radeon Pro 465</u>                         | 4537                                 | 302                    | NA                                 | NA                        |
| <u>GeForce GTX 580</u>                        | 4536                                 | 303                    | <a href="#">32.42</a>              | <a href="#">\$139.92*</a> |
| <u>GeForce MX550</u>                          | 4527                                 | 304                    | NA                                 | NA                        |
| <u>Radeon R7 370</u>                          | 4501                                 | 305                    | NA                                 | NA                        |
| <u>Radeon HD 7870 XT</u>                      | 4469                                 | 306                    | NA                                 | NA                        |
| <u>GeForce GTX 1050 (Mobile)</u>              | 4461                                 | 307                    | NA                                 | NA                        |
| <u>GRID M60-1B</u>                            | 4456                                 | 308                    | NA                                 | NA                        |
| <u>Citrix Indirect Display Adapter</u>        | 4446                                 | 309                    | NA                                 | NA                        |
| <u>Quadro P1000</u>                           | 4440                                 | 310                    | <a href="#">13.25</a>              | <a href="#">\$335.00*</a> |
| <u>GRID P6-4Q</u>                             | 4429                                 | 311                    | NA                                 | NA                        |
| <u>GeForce GTX 660 Ti</u>                     | 4373                                 | 312                    | <a href="#">30.37</a>              | <a href="#">\$144.00*</a> |

| Videocard Name                            | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <u>GRID GTX P40-6</u>                     | 4340                                    | 313                       | NA                                    | NA                        |
| <u>FirePro W7000 Adapter</u>              | 4339                                    | 314                       | NA                                    | NA                        |
| <u>Quadro K4200</u>                       | 4326                                    | 315                       | <a href="#">17.37</a>                 | <a href="#">\$249.00*</a> |
| <u>Barco MXRT 7500</u>                    | 4319                                    | 316                       | <a href="#">14.45</a>                 | <a href="#">\$299.00*</a> |
| <u>Quadro M2200</u>                       | 4319                                    | 317                       | <a href="#">17.28</a>                 | <a href="#">\$249.99*</a> |
| <u>GRID M60-2Q</u>                        | 4315                                    | 318                       | NA                                    | NA                        |
| <u>Radeon R9 270</u>                      | 4306                                    | 319                       | NA                                    | NA                        |
| <u>GeForce GTX 680MX</u>                  | 4270                                    | 320                       | NA                                    | NA                        |
| <u>GeForce GTX 775M</u>                   | 4268                                    | 321                       | NA                                    | NA                        |
| <u>Radeon R9 270 / R7 370</u>             | 4259                                    | 322                       | <a href="#">19.98</a>                 | <a href="#">\$213.16*</a> |
| <u>GRID M60-1Q</u>                        | 4250                                    | 323                       | NA                                    | NA                        |
| <u>FirePro W7000</u>                      | 4230                                    | 324                       | <a href="#">15.21</a>                 | <a href="#">\$278.05*</a> |
| <u>Radeon RX 5300M</u>                    | 4197                                    | 326                       | NA                                    | NA                        |
| <u>Ryzen 7 6800H with Radeon Graphics</u> | 4197                                    | 325                       | NA                                    | NA                        |
| <u>FirePro S7000</u>                      | 4166                                    | 327                       | <a href="#">16.90</a>                 | <a href="#">\$246.54*</a> |
| <u>GRID V100D-8Q</u>                      | 4155                                    | 328                       | NA                                    | NA                        |
| <u>Radeon RX 460</u>                      | 4121                                    | 329                       | <a href="#">24.71</a>                 | <a href="#">\$166.81*</a> |
| <u>FirePro W8000</u>                      | 4095                                    | 330                       | <a href="#">7.15</a>                  | <a href="#">\$573.00*</a> |
| <u>GeForce GTX 480</u>                    | 4076                                    | 331                       | <a href="#">23.98</a>                 | <a href="#">\$169.99*</a> |
| <u>Intel Arc A380</u>                     | 4031                                    | 332                       | NA                                    | NA                        |
| <u>Radeon HD 7800-serie</u>               | 4029                                    | 333                       | NA                                    | NA                        |
| <u>GRID P40-2Q</u>                        | 4023                                    | 334                       | NA                                    | NA                        |
| <u>GeForce GTX 660</u>                    | 3995                                    | 335                       | <a href="#">23.79</a>                 | <a href="#">\$167.95*</a> |
| <u>Quadro K5000</u>                       | 3946                                    | 336                       | <a href="#">15.85</a>                 | <a href="#">\$249.00*</a> |
| <u>Quadro M2000</u>                       | 3934                                    | 337                       | <a href="#">14.89</a>                 | <a href="#">\$264.24*</a> |
| <u>GRID P6-2Q</u>                         | 3925                                    | 338                       | NA                                    | NA                        |
| <u>GeForce GTX 570</u>                    | 3916                                    | 339                       | <a href="#">26.11</a>                 | <a href="#">\$149.99*</a> |
| <u>GeForce GTX 750 Ti</u>                 | 3909                                    | 340                       | <a href="#">44.37</a>                 | <a href="#">\$88.11*</a>  |
| <u>Tesla K20m</u>                         | 3895                                    | 341                       | NA                                    | NA                        |
| <u>GRID M60-8Q</u>                        | 3883                                    | 342                       | NA                                    | NA                        |
| <u>Radeon HD 8970M</u>                    | 3876                                    | 343                       | <a href="#">27.69</a>                 | <a href="#">\$139.99*</a> |
| <u>GRID P100-8Q</u>                       | 3841                                    | 344                       | NA                                    | NA                        |
| Videocard Name                            | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>GRID M60-4Q</u>                        | 3831                                    | 345                       | NA                                    | NA                        |
| <u>Radeon HD 7850</u>                     | 3825                                    | 346                       | <a href="#">22.51</a>                 | <a href="#">\$169.99*</a> |
| <u>GeForce GTX 1050 with Max-Q Design</u> | 3817                                    | 347                       | NA                                    | NA                        |
| <u>GeForce GTX 965M</u>                   | 3795                                    | 348                       | NA                                    | NA                        |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <u>Radeon HD 7970M</u>                         | 3774                                    | 349                       | NA                                    | NA                          |
| <u>GeForce GTX 880M</u>                        | 3744                                    | 350                       | NA                                    | NA                          |
| <u>Ryzen 7 PRO 6850HS with Radeon Graphics</u> | 3736                                    | 351                       | NA                                    | NA                          |
| <u>Radeon Pro WX 4100</u>                      | 3729                                    | 352                       | <a href="#">7.46</a>                  | <a href="#">\$499.99*</a>   |
| <u>GeForce MX450</u>                           | 3716                                    | 353                       | NA                                    | NA                          |
| <u>GeForce GTX 780M</u>                        | 3710                                    | 354                       | <a href="#">7.44</a>                  | <a href="#">\$499.00*</a>   |
| <u>Radeon Pro 560X</u>                         | 3677                                    | 355                       | NA                                    | NA                          |
| <u>T400</u>                                    | 3656                                    | 356                       | <a href="#">23.29</a>                 | <a href="#">\$156.99</a>    |
| <u>Ryzen 5 PRO 6650U with Radeon Graphics</u>  | 3643                                    | 357                       | NA                                    | NA                          |
| <u>T500</u>                                    | 3630                                    | 358                       | NA                                    | NA                          |
| <u>Quadro P620</u>                             | 3614                                    | 359                       | <a href="#">6.23</a>                  | <a href="#">\$580.56</a>    |
| <u>Radeon RX 560</u>                           | 3606                                    | 360                       | <a href="#">16.66</a>                 | <a href="#">\$216.47*</a>   |
| <u>GeForce GTX 680M KY_Bullet Edition</u>      | 3568                                    | 361                       | NA                                    | NA                          |
| <u>GRID M6-8Q</u>                              | 3568                                    | 362                       | NA                                    | NA                          |
| <u>Quadro K2200</u>                            | 3535                                    | 363                       | <a href="#">13.18</a>                 | <a href="#">\$268.30*</a>   |
| <u>Tesla C2050</u>                             | 3515                                    | 364                       | <a href="#">13.02</a>                 | <a href="#">\$269.99*</a>   |
| <u>Quadro 7000</u>                             | 3505                                    | 365                       | NA                                    | NA                          |
| <u>Quadro M2000M</u>                           | 3503                                    | 366                       | <a href="#">16.43</a>                 | <a href="#">\$213.16*</a>   |
| <u>Tesla M10</u>                               | 3490                                    | 367                       | <a href="#">1.30</a>                  | <a href="#">\$2,695.00*</a> |
| <u>Radeon Pro 560</u>                          | 3475                                    | 368                       | NA                                    | NA                          |
| <u>T400 4GB</u>                                | 3468                                    | 369                       | NA                                    | NA                          |
| <u>Radeon Pro 460</u>                          | 3452                                    | 370                       | NA                                    | NA                          |
| <u>GRID T4-2Q</u>                              | 3450                                    | 371                       | NA                                    | NA                          |
| <u>Tesla C2050 / C2070</u>                     | 3428                                    | 372                       | NA                                    | NA                          |
| <u>GeForce GTX 870M</u>                        | 3422                                    | 373                       | NA                                    | NA                          |
| <u>Quadro K2200M</u>                           | 3411                                    | 374                       | <a href="#">27.30</a>                 | <a href="#">\$124.95*</a>   |
| <u>GeForce GTX 960M</u>                        | 3400                                    | 375                       | <a href="#">2.91</a>                  | <a href="#">\$1,169.00*</a> |
| <u>Radeon R9 M470X</u>                         | 3400                                    | 376                       | NA                                    | NA                          |
| <u>GRID K520</u>                               | 3399                                    | 377                       | <a href="#">22.66</a>                 | <a href="#">\$149.99*</a>   |
| <u>Radeon RX Vega M GL</u>                     | 3397                                    | 378                       | NA                                    | NA                          |
| <u>GeForce GTX 750</u>                         | 3374                                    | 379                       | <a href="#">42.19</a>                 | <a href="#">\$79.99*</a>    |
| <u>Radeon E8870PCle</u>                        | 3368                                    | 381                       | NA                                    | NA                          |
| <u>Radeon HD8970M</u>                          | 3368                                    | 380                       | NA                                    | NA                          |
| <u>GRID P40-2B</u>                             | 3354                                    | 382                       | NA                                    | NA                          |
| <u>GRID M10-1Q</u>                             | 3351                                    | 383                       | NA                                    | NA                          |
| <u>GeForce GTX 590</u>                         | 3350                                    | 384                       | <a href="#">7.70</a>                  | <a href="#">\$435.00*</a>   |
| <u>GeForce GTX 650 Ti BOOST</u>                | 3320                                    | 385                       | NA                                    | NA                          |



| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">Radeon R9 M290X</a>                     | 3316                                    | 386                       | NA                                    | NA                          |
| <a href="#">Quadro M1200</a>                        | 3309                                    | 387                       | NA                                    | NA                          |
| <a href="#">GRID T4-4Q</a>                          | 3260                                    | 388                       | NA                                    | NA                          |
| <a href="#">Ryzen 9 6900HX with Radeon Graphics</a> | 3257                                    | 389                       | NA                                    | NA                          |
| <a href="#">GeForce 770M</a>                        | 3245                                    | 390                       | <a href="#">18.34</a>                 | <a href="#">\$176.99*</a>   |
| <a href="#">Quadro P600</a>                         | 3238                                    | 391                       | <a href="#">9.93</a>                  | <a href="#">\$325.99*</a>   |
| <a href="#">Ryzen 5 6600U with Radeon Graphics</a>  | 3233                                    | 392                       | NA                                    | NA                          |
| <a href="#">GRID M10-4Q</a>                         | 3223                                    | 393                       | NA                                    | NA                          |
| Videocard Name                                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <a href="#">Quadro K5100M</a>                       | 3222                                    | 394                       | <a href="#">2.91</a>                  | <a href="#">\$1,108.84*</a> |
| <a href="#">Radeon R9 M485X</a>                     | 3204                                    | 395                       | NA                                    | NA                          |
| <a href="#">Radeon R9 260</a>                       | 3181                                    | 396                       | NA                                    | NA                          |
| <a href="#">Radeon RX 560X</a>                      | 3181                                    | 397                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 680M</a>                    | 3166                                    | 398                       | <a href="#">23.29</a>                 | <a href="#">\$135.99*</a>   |
| <a href="#">RadeonT RX 5500M</a>                    | 3165                                    | 399                       | NA                                    | NA                          |
| <a href="#">FirePro V7000</a>                       | 3161                                    | 400                       | NA                                    | NA                          |
| <a href="#">FirePro W7170M</a>                      | 3161                                    | 401                       | NA                                    | NA                          |
| <a href="#">NVS 310</a>                             | 3153                                    | 402                       | <a href="#">50.82</a>                 | <a href="#">\$62.06*</a>    |
| <a href="#">Radeon Pro 555</a>                      | 3140                                    | 403                       | <a href="#">2.99</a>                  | <a href="#">\$1,049.00*</a> |
| <a href="#">Radeon R7 260X</a>                      | 3129                                    | 404                       | <a href="#">22.35</a>                 | <a href="#">\$139.99*</a>   |
| <a href="#">Tesla C2075</a>                         | 3118                                    | 405                       | <a href="#">4.83</a>                  | <a href="#">\$646.00*</a>   |
| <a href="#">Radeon Pro 455</a>                      | 3112                                    | 406                       | <a href="#">6.93</a>                  | <a href="#">\$449.00*</a>   |
| <a href="#">GeForce GTX 470</a>                     | 3110                                    | 407                       | <a href="#">51.84</a>                 | <a href="#">\$59.99*</a>    |
| <a href="#">Tesla C2070</a>                         | 3101                                    | 408                       | <a href="#">5.13</a>                  | <a href="#">\$604.00*</a>   |
| <a href="#">Intel G35 Express</a>                   | 3090                                    | 409                       | NA                                    | NA                          |
| <a href="#">Radeon HD 7790</a>                      | 3090                                    | 410                       | <a href="#">22.07</a>                 | <a href="#">\$139.99*</a>   |
| <a href="#">Radeon R7 360</a>                       | 3050                                    | 411                       | <a href="#">20.90</a>                 | <a href="#">\$145.99*</a>   |
| <a href="#">GeForce GTX 560 Ti</a>                  | 3039                                    | 412                       | <a href="#">23.39</a>                 | <a href="#">\$129.99*</a>   |
| <a href="#">GeForce GTX 860M</a>                    | 3032                                    | 413                       | <a href="#">26.60</a>                 | <a href="#">\$114.00*</a>   |
| <a href="#">Radeon R9 360</a>                       | 3031                                    | 414                       | <a href="#">22.64</a>                 | <a href="#">\$133.89*</a>   |
| <a href="#">Radeon R9 M390X</a>                     | 3020                                    | 415                       | NA                                    | NA                          |
| <a href="#">Radeon HD 6990</a>                      | 3013                                    | 416                       | <a href="#">6.04</a>                  | <a href="#">\$498.49*</a>   |
| <a href="#">FirePro W5000</a>                       | 2980                                    | 417                       | <a href="#">16.20</a>                 | <a href="#">\$184.00*</a>   |
| <a href="#">FirePro W5100</a>                       | 2956                                    | 418                       | <a href="#">23.47</a>                 | <a href="#">\$125.99*</a>   |
| <a href="#">GRID K260Q</a>                          | 2949                                    | 419                       | NA                                    | NA                          |
| <a href="#">Quadro M1000M</a>                       | 2941                                    | 420                       | <a href="#">34.20</a>                 | <a href="#">\$85.99*</a>    |
| <a href="#">Ryzen 9 5900HX with Radeon Graphics</a> | 2933                                    | 421                       | NA                                    | NA                          |

| Videocard Name                                | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---|---|---------------------------|---------------------------------------|-----------------------------|
| <u>Radeon R9 M380</u>                         | 2903                                    | 422                       | NA                                    | NA                          |
| <u>Radeon R7 260</u>                          | 2891                                    | 423                       | <a href="#">32.13</a>                 | <a href="#">\$89.99*</a>    |
| <u>Eng Sample: 100-000000261-50_Y</u>         | 2859                                    | 424                       | NA                                    | NA                          |
| <u>Quadro K1200</u>                           | 2859                                    | 425                       | <a href="#">8.94</a>                  | <a href="#">\$319.95*</a>   |
| <u>Radeon Pro V340 MxGPU</u>                  | 2853                                    | 426                       | NA                                    | NA                          |
| <u>GeForce MX350</u>                          | 2845                                    | 427                       | NA                                    | NA                          |
| <u>GRID K280Q</u>                             | 2839                                    | 428                       | NA                                    | NA                          |
| <u>Radeon HD 6970</u>                         | 2822                                    | 429                       | <a href="#">18.82</a>                 | <a href="#">\$149.99*</a>   |
| <u>FirePro 3D V9800</u>                       | 2811                                    | 430                       | <a href="#">1.13</a>                  | <a href="#">\$2,499.00*</a> |
| <u>GeForce GTX 770M</u>                       | 2809                                    | 431                       | <a href="#">20.36</a>                 | <a href="#">\$138.00*</a>   |
| <u>Ryzen 7 5800H with Radeon Graphics</u>     | 2802                                    | 432                       | NA                                    | NA                          |
| <u>FirePro W4300</u>                          | 2798                                    | 433                       | <a href="#">11.66</a>                 | <a href="#">\$239.99*</a>   |
| <u>Quadro M620</u>                            | 2783                                    | 434                       | NA                                    | NA                          |
| <u>Ryzen 7 5700G with Radeon Graphics</u>     | 2775                                    | 435                       | NA                                    | NA                          |
| <u>Radeon Ryzen 9 5980HS</u>                  | 2749                                    | 436                       | NA                                    | NA                          |
| <u>Quadro K5000M</u>                          | 2738                                    | 437                       | <a href="#">5.38</a>                  | <a href="#">\$508.91*</a>   |
| <u>GRID K2</u>                                | 2736                                    | 438                       | <a href="#">0.62</a>                  | <a href="#">\$4,383.73</a>  |
| <u>Intel Iris Xe</u>                          | 2734                                    | 439                       | NA                                    | NA                          |
| <u>FirePro S7150</u>                          | 2726                                    | 440                       | <a href="#">1.61</a>                  | <a href="#">\$1,697.99*</a> |
| <u>FirePro V9800</u>                          | 2726                                    | 441                       | <a href="#">5.75</a>                  | <a href="#">\$474.00*</a>   |
| <u>Radeon RX 550</u>                          | 2724                                    | 442                       | <a href="#">16.02</a>                 | <a href="#">\$170.09</a>    |
| Videocard Name                                | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <u>Radeon Pro 450</u>                         | 2722                                    | 443                       | NA                                    | NA                          |
| <u>Ryzen 7 5700GE with Radeon Graphics</u>    | 2716                                    | 444                       | NA                                    | NA                          |
| <u>GeForce GTX 560</u>                        | 2713                                    | 445                       | <a href="#">13.24</a>                 | <a href="#">\$205.00*</a>   |
| <u>GRID T4-1Q</u>                             | 2702                                    | 446                       | NA                                    | NA                          |
| <u>Quadro K4100M</u>                          | 2702                                    | 447                       | <a href="#">10.34</a>                 | <a href="#">\$261.29*</a>   |
| <u>Barco MXRT 5500</u>                        | 2701                                    | 448                       | <a href="#">9.04</a>                  | <a href="#">\$299.00*</a>   |
| <u>Quadro 6000</u>                            | 2696                                    | 449                       | <a href="#">0.66</a>                  | <a href="#">\$4,092.38*</a> |
| <u>Quadro K4000</u>                           | 2696                                    | 450                       | <a href="#">9.99</a>                  | <a href="#">\$270.00*</a>   |
| <u>GeForce GTX 465</u>                        | 2683                                    | 451                       | <a href="#">13.76</a>                 | <a href="#">\$195.00*</a>   |
| <u>Ryzen 7 Pro 4750G with Radeon Graphics</u> | 2681                                    | 452                       | NA                                    | NA                          |
| <u>FirePro M6100 FireGL V</u>                 | 2656                                    | 453                       | NA                                    | NA                          |
| <u>GRID M10-2Q</u>                            | 2653                                    | 454                       | NA                                    | NA                          |
| <u>FirePro R5000</u>                          | 2646                                    | 455                       | <a href="#">24.06</a>                 | <a href="#">\$109.99*</a>   |
| <u>Radeon HD 6950</u>                         | 2639                                    | 456                       | <a href="#">18.86</a>                 | <a href="#">\$139.99*</a>   |
| <u>MONSTER GeForce GTX 675M</u>               | 2637                                    | 457                       | NA                                    | NA                          |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon Ryzen 7 5800H</u>                    | 2633                                    | 458                       | NA                                    | NA                        |
| <u>GRID M10-8Q</u>                             | 2606                                    | 460                       | NA                                    | NA                        |
| <u>Radeon Ryzen 7 PRO 4750G</u>                | 2606                                    | 459                       | NA                                    | NA                        |
| <u>Ryzen 7 PRO 5750GE with Radeon Graphics</u> | 2603                                    | 461                       | NA                                    | NA                        |
| <u>GRID T4-2B</u>                              | 2601                                    | 463                       | NA                                    | NA                        |
| <u>Ryzen 5 5600GE with Radeon Graphics</u>     | 2601                                    | 462                       | NA                                    | NA                        |
| <u>Radeon Pro WX 3100</u>                      | 2600                                    | 464                       | NA                                    | NA                        |
| <u>GeForce GTX 950M</u>                        | 2594                                    | 465                       | <a href="#">4.58</a>                  | <a href="#">\$567.00*</a> |
| <u>Radeon Ryzen 7 4700GE</u>                   | 2579                                    | 466                       | NA                                    | NA                        |
| <u>Ryzen 5 5600G with Radeon Graphics</u>      | 2578                                    | 467                       | NA                                    | NA                        |
| <u>Radeon Ryzen 9 4900H</u>                    | 2571                                    | 468                       | NA                                    | NA                        |
| <u>GeForce GTX 850M</u>                        | 2564                                    | 469                       | NA                                    | NA                        |
| <u>Radeon Ryzen 7 4700G</u>                    | 2564                                    | 470                       | NA                                    | NA                        |
| <u>Ryzen 7 PRO 4750GE with Radeon Graphics</u> | 2549                                    | 471                       | NA                                    | NA                        |
| <u>Custom GPU 0405</u>                         | 2546                                    | 472                       | NA                                    | NA                        |
| <u>GRID K240Q</u>                              | 2541                                    | 473                       | NA                                    | NA                        |
| <u>GeForce GTX 650 Ti</u>                      | 2537                                    | 474                       | <a href="#">27.27</a>                 | <a href="#">\$93.05*</a>  |
| <u>Radeon HD 6850 X2</u>                       | 2534                                    | 475                       | NA                                    | NA                        |
| <u>Radeon Ryzen 7 5800HS</u>                   | 2531                                    | 476                       | NA                                    | NA                        |
| <u>FireStream 9370</u>                         | 2528                                    | 477                       | NA                                    | NA                        |
| <u>N18E-Q1</u>                                 | 2525                                    | 478                       | NA                                    | NA                        |
| <u>GeForce GT 1030</u>                         | 2522                                    | 479                       | <a href="#">22.93</a>                 | <a href="#">\$109.99</a>  |
| <u>Ryzen 5 PRO 5650G with Radeon Graphics</u>  | 2522                                    | 480                       | NA                                    | NA                        |
| <u>GeForce MX330</u>                           | 2517                                    | 481                       | NA                                    | NA                        |
| <u>Intel UHD Graphics P630</u>                 | 2504                                    | 482                       | NA                                    | NA                        |
| <u>Intel UHD Graphics 770</u>                  | 2500                                    | 483                       | NA                                    | NA                        |
| <u>GeForce GTX 950A</u>                        | 2499                                    | 484                       | NA                                    | NA                        |
| <u>Ryzen 7 4700GE with Radeon Graphics</u>     | 2496                                    | 485                       | NA                                    | NA                        |
| <u>GeForce MX250</u>                           | 2493                                    | 486                       | NA                                    | NA                        |
| <u>P106-090</u>                                | 2481                                    | 487                       | NA                                    | NA                        |
| <u>Ryzen 7 PRO 5750G with Radeon Graphics</u>  | 2480                                    | 488                       | NA                                    | NA                        |
| <u>Radeon Pro WX 3200</u>                      | 2472                                    | 489                       | <a href="#">9.93</a>                  | <a href="#">\$249.00</a>  |
| <u>Radeon Ryzen 5 5600H</u>                    | 2470                                    | 490                       | NA                                    | NA                        |
| <u>Ryzen 5 PRO 5650GE with Radeon Graphics</u> | 2470                                    | 491                       | NA                                    | NA                        |
| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>Barco MXRT 5600</u>                         | 2465                                    | 492                       | <a href="#">3.50</a>                  | <a href="#">\$704.00*</a> |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|--|---|---------------------------|---------------------------------------|-----------------------------|
| <a href="#">FirePro 3D V8800</a>                         | 2437                                    | 493                       | <a href="#">5.74</a>                  | <a href="#">\$424.99*</a>   |
| <a href="#">Radeon Eng Sample: 100-000000262-30_Y</a>    | 2415                                    | 494                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 960A</a>                         | 2410                                    | 495                       | NA                                    | NA                          |
| <a href="#">Radeon RX Vega 11 PRD</a>                    | 2401                                    | 496                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 5600H with Radeon Graphics</a>       | 2394                                    | 497                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 5800U with Radeon Graphics</a>       | 2386                                    | 498                       | NA                                    | NA                          |
| <a href="#">Radeon RX 550X</a>                           | 2376                                    | 499                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 Pro 4650G with Radeon Graphics</a>   | 2370                                    | 500                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 485M</a>                         | 2359                                    | 501                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 5 PRO 5650GE</a>                | 2356                                    | 502                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 PRO 5350GE with Radeon Graphics</a>  | 2351                                    | 503                       | NA                                    | NA                          |
| <a href="#">Ryzen 7 4800U with Radeon Graphics</a>       | 2343                                    | 504                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 675MX</a>                        | 2338                                    | 505                       | NA                                    | NA                          |
| <a href="#">Radeon Ryzen 7 5800U</a>                     | 2337                                    | 506                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 4600H with Radeon Graphics</a>       | 2336                                    | 507                       | NA                                    | NA                          |
| <a href="#">GRID M10-2B</a>                              | 2333                                    | 508                       | NA                                    | NA                          |
| <a href="#">Radeon R9 M470</a>                           | 2330                                    | 509                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 4300GE with Radeon Graphics</a>      | 2315                                    | 510                       | NA                                    | NA                          |
| <a href="#">GRID M10-1B</a>                              | 2309                                    | 511                       | NA                                    | NA                          |
| <a href="#">Ryzen 5 PRO 4400G with Radeon Graphics</a>   | 2305                                    | 512                       | NA                                    | NA                          |
| <a href="#">FirePro V7900</a>                            | 2304                                    | 513                       | <a href="#">12.13</a>                 | <a href="#">\$190.00*</a>   |
| <a href="#">Ryzen 7 PRO 5850U with Radeon Graphics</a>   | 2300                                    | 514                       | NA                                    | NA                          |
| <a href="#">GeForce MX150</a>                            | 2293                                    | 515                       | <a href="#">38.68</a>                 | <a href="#">\$59.29*</a>    |
| <a href="#">Radeon Ryzen 7 Microsoft Surface Edition</a> | 2287                                    | 516                       | NA                                    | NA                          |
| <a href="#">Quadro K3100M</a>                            | 2285                                    | 517                       | <a href="#">5.72</a>                  | <a href="#">\$399.95*</a>   |
| <a href="#">Radeon Ryzen 7 4800U</a>                     | 2276                                    | 518                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 PRO 5350G with Radeon Graphics</a>   | 2275                                    | 519                       | NA                                    | NA                          |
| <a href="#">GeForce GTX 460</a>                          | 2272                                    | 520                       | <a href="#">25.26</a>                 | <a href="#">\$89.99*</a>    |
| <a href="#">Radeon HD 6970M</a>                          | 2270                                    | 521                       | <a href="#">10.51</a>                 | <a href="#">\$215.99*</a>   |
| <a href="#">Radeon HD 5870</a>                           | 2268                                    | 523                       | <a href="#">7.69</a>                  | <a href="#">\$295.00*</a>   |
| <a href="#">Radeon R7 250X</a>                           | 2268                                    | 522                       | <a href="#">11.70</a>                 | <a href="#">\$194.00*</a>   |
| <a href="#">Radeon HD 5970</a>                           | 2257                                    | 524                       | <a href="#">12.54</a>                 | <a href="#">\$179.99*</a>   |
| <a href="#">Ryzen 7 5700U with Radeon Graphics</a>       | 2254                                    | 525                       | NA                                    | NA                          |
| <a href="#">Ryzen 3 5300GE with Radeon Graphics</a>      | 2247                                    | 526                       | NA                                    | NA                          |
| <a href="#">Quadro K620</a>                              | 2245                                    | 527                       | <a href="#">1.11</a>                  | <a href="#">\$2,029.99*</a> |
| <a href="#">FirePro V8800</a>                            | 2223                                    | 528                       | <a href="#">11.23</a>                 | <a href="#">\$198.00*</a>   |
| <a href="#">GRID P100-1B</a>                             | 2223                                    | 529                       | NA                                    | NA                          |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>Radeon HD 6870</u>                           | 2214                                 | 530                    | <a href="#">8.05</a>               | <a href="#">\$275.00*</a>   |
| <u>Radeon Pro WX 4150</u>                       | 2211                                 | 531                    | <a href="#">3.63</a>               | <a href="#">\$610.04*</a>   |
| <u>Radeon HD 8950</u>                           | 2206                                 | 532                    | NA                                 | NA                          |
| <u>Radeon Ryzen 5 PRO 5650G</u>                 | 2196                                 | 533                    | NA                                 | NA                          |
| <u>Radeon Ryzen 7 PRO 4750GE</u>                | 2192                                 | 534                    | NA                                 | NA                          |
| <u>Ryzen 7 4700G with Radeon Graphics</u>       | 2186                                 | 535                    | NA                                 | NA                          |
| <u>RadeonT R7 450</u>                           | 2184                                 | 536                    | NA                                 | NA                          |
| <u>Radeon HD 7770</u>                           | 2182                                 | 537                    | <a href="#">7.27</a>               | <a href="#">\$300.00*</a>   |
| <u>Ryzen 3 Pro 4350G with Radeon Graphics</u>   | 2181                                 | 538                    | NA                                 | NA                          |
| <u>Intel Iris Pro P580</u>                      | 2168                                 | 539                    | NA                                 | NA                          |
| <u>GeForce GTX 745</u>                          | 2165                                 | 540                    | <a href="#">7.60</a>               | <a href="#">\$284.95*</a>   |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>Ryzen 7 Extreme Edition</u>                  | 2161                                 | 541                    | NA                                 | NA                          |
| <u>Ryzen 5 4600G with Radeon Graphics</u>       | 2158                                 | 542                    | NA                                 | NA                          |
| <u>Quadro M600M</u>                             | 2145                                 | 543                    | <a href="#">8.52</a>               | <a href="#">\$251.99*</a>   |
| <u>Ryzen 5 5600U with Radeon Graphics</u>       | 2137                                 | 544                    | NA                                 | NA                          |
| <u>Radeon RX Vega 11</u>                        | 2122                                 | 545                    | <a href="#">2.12</a>               | <a href="#">\$1,002.00*</a> |
| <u>Ryzen 7 4800H with Radeon Graphics</u>       | 2113                                 | 546                    | NA                                 | NA                          |
| <u>Radeon TM R9 A360</u>                        | 2105                                 | 547                    | NA                                 | NA                          |
| <u>FirePro M5100</u>                            | 2102                                 | 548                    | NA                                 | NA                          |
| <u>Radeon Ryzen 5 Microsoft Surface Edition</u> | 2098                                 | 549                    | NA                                 | NA                          |
| <u>Quadro P520</u>                              | 2085                                 | 550                    | <a href="#">1.39</a>               | <a href="#">\$1,499.00*</a> |
| <u>Ryzen 5 PRO 5650U with Radeon Graphics</u>   | 2081                                 | 551                    | NA                                 | NA                          |
| <u>GeForce GTX 580M</u>                         | 2074                                 | 552                    | <a href="#">8.34</a>               | <a href="#">\$248.68*</a>   |
| <u>GRID M6-1Q</u>                               | 2069                                 | 553                    | NA                                 | NA                          |
| <u>Quadro 5000M</u>                             | 2059                                 | 554                    | NA                                 | NA                          |
| <u>GeForce GTX 480M</u>                         | 2050                                 | 555                    | NA                                 | NA                          |
| <u>Radeon Ryzen 7 4700U</u>                     | 2038                                 | 556                    | NA                                 | NA                          |
| <u>Ryzen 7 4700U with Radeon Graphics</u>       | 2034                                 | 557                    | NA                                 | NA                          |
| <u>FirePro V7800</u>                            | 2033                                 | 558                    | <a href="#">10.70</a>              | <a href="#">\$190.00*</a>   |
| <u>Ryzen 7 PRO 4750U with Radeon Graphics</u>   | 2029                                 | 559                    | NA                                 | NA                          |
| <u>Radeon R9 350</u>                            | 2026                                 | 561                    | <a href="#">6.78</a>               | <a href="#">\$299.00*</a>   |
| <u>Radeon Ryzen 7 PRO 4750U</u>                 | 2026                                 | 560                    | NA                                 | NA                          |
| <u>Intel UHD</u>                                | 2024                                 | 562                    | NA                                 | NA                          |
| <u>Radeon R9 M385</u>                           | 2017                                 | 563                    | NA                                 | NA                          |
| <u>Radeon Pro W5500M</u>                        | 2010                                 | 564                    | NA                                 | NA                          |
| <u>Quadro K4000M</u>                            | 2009                                 | 566                    | <a href="#">7.91</a>               | <a href="#">\$254.00*</a>   |

| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                |
|--|--------------------------------------|------------------------|------------------------------------|----------------------------|
| <u>Radeon Pro</u>                              | 2009                                 | 565                    | <a href="#">3.65</a>               | <a href="#">\$550.99</a>   |
| <u>Ryzen 5 5500U with Radeon Graphics</u>      | 2009                                 | 567                    | NA                                 | NA                         |
| <u>GeForce 945M</u>                            | 2007                                 | 569                    | NA                                 | NA                         |
| <u>Ryzen 5 PRO 4500U with Radeon Graphics</u>  | 2007                                 | 568                    | NA                                 | NA                         |
| <u>GeForce GTX 560 SE</u>                      | 2006                                 | 570                    | <a href="#">22.29</a>              | <a href="#">\$89.99*</a>   |
| <u>GeForce GT 645</u>                          | 2005                                 | 571                    | NA                                 | NA                         |
| <u>Intel Iris Xe MAX</u>                       | 2003                                 | 572                    | NA                                 | NA                         |
| <u>Ryzen 3 5300G with Radeon Graphics</u>      | 1998                                 | 573                    | NA                                 | NA                         |
| <u>Radeon R9 M385X</u>                         | 1993                                 | 574                    | NA                                 | NA                         |
| <u>FirePro M6100</u>                           | 1987                                 | 575                    | NA                                 | NA                         |
| <u>Radeon R7 + R7 350 Dual</u>                 | 1982                                 | 576                    | NA                                 | NA                         |
| <u>Radeon Ryzen 5 5560U</u>                    | 1981                                 | 578                    | NA                                 | NA                         |
| <u>Radeon Ryzen Embedded V2718</u>             | 1981                                 | 577                    | NA                                 | NA                         |
| <u>Radeon HD 6850</u>                          | 1980                                 | 579                    | <a href="#">23.30</a>              | <a href="#">\$85.00*</a>   |
| <u>Ryzen 5 PRO 4650GE with Radeon Graphics</u> | 1978                                 | 580                    | NA                                 | NA                         |
| <u>Intel Iris Pro 580</u>                      | 1974                                 | 581                    | NA                                 | NA                         |
| <u>Quadro 5000</u>                             | 1970                                 | 582                    | <a href="#">0.83</a>               | <a href="#">\$2,362.18</a> |
| <u>GeForce GTX 765M</u>                        | 1968                                 | 583                    | <a href="#">10.57</a>              | <a href="#">\$186.30*</a>  |
| <u>Radeon Ryzen 5 5600U</u>                    | 1967                                 | 584                    | NA                                 | NA                         |
| <u>GeForce GTX 460 SE</u>                      | 1966                                 | 585                    | <a href="#">12.29</a>              | <a href="#">\$159.99*</a>  |
| <u>Radeon R7 + HD 7700 Dual</u>                | 1962                                 | 586                    | NA                                 | NA                         |
| <u>Radeon HD 5850</u>                          | 1961                                 | 587                    | <a href="#">6.79</a>               | <a href="#">\$288.99*</a>  |
| <u>Radeon HD 7660D + HD 7700 Dual</u>          | 1958                                 | 588                    | NA                                 | NA                         |
| <u>GeForce GTX 470M</u>                        | 1953                                 | 589                    | NA                                 | NA                         |
| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                |
| <u>Radeon R7 450</u>                           | 1949                                 | 590                    | <a href="#">6.52</a>               | <a href="#">\$299.00*</a>  |
| <u>GeForce GTX 460 v2</u>                      | 1948                                 | 591                    | <a href="#">9.74</a>               | <a href="#">\$199.99*</a>  |
| <u>Radeon R9 M275X</u>                         | 1940                                 | 592                    | NA                                 | NA                         |
| <u>Radeon RX 570X</u>                          | 1923                                 | 593                    | <a href="#">6.87</a>               | <a href="#">\$279.99*</a>  |
| <u>Radeon HD 7560D + 7700 Dual</u>             | 1919                                 | 594                    | NA                                 | NA                         |
| <u>GeForce GTX 675M</u>                        | 1911                                 | 595                    | NA                                 | NA                         |
| <u>GeForce GTX 570M</u>                        | 1909                                 | 596                    | NA                                 | NA                         |
| <u>Matrox C680 PCIe x16</u>                    | 1903                                 | 597                    | NA                                 | NA                         |
| <u>Radeon HD 7700-serie</u>                    | 1899                                 | 598                    | NA                                 | NA                         |
| <u>GeForce GTX 670MX</u>                       | 1896                                 | 599                    | NA                                 | NA                         |
| <u>Radeon HD 8670D + HD 7700 Dual</u>          | 1892                                 | 600                    | NA                                 | NA                         |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">Radeon RX Vega 11 Processor</a>                | 1888                                 | 601                    | NA                                 | NA                        |
| <a href="#">GeForce MX130</a>                              | 1880                                 | 602                    | NA                                 | NA                        |
| <a href="#">Radeon Pro WX 4130</a>                         | 1877                                 | 603                    | NA                                 | NA                        |
| <a href="#">FirePro 3D V7800</a>                           | 1867                                 | 604                    | <a href="#">3.11</a>               | <a href="#">\$599.99*</a> |
| <a href="#">Ryzen 5 4600U with Radeon Graphics</a>         | 1863                                 | 605                    | NA                                 | NA                        |
| <a href="#">Quadro M520</a>                                | 1861                                 | 606                    | NA                                 | NA                        |
| <a href="#">GeForce GTX 645</a>                            | 1858                                 | 608                    | NA                                 | NA                        |
| <a href="#">Qualcomm Adreno 8cx Gen 3</a>                  | 1858                                 | 607                    | NA                                 | NA                        |
| <a href="#">GeForce 945A</a>                               | 1852                                 | 609                    | NA                                 | NA                        |
| <a href="#">Radeon RX 540</a>                              | 1844                                 | 610                    | NA                                 | NA                        |
| <a href="#">FirePro M5100 FireGL V</a>                     | 1839                                 | 612                    | NA                                 | NA                        |
| <a href="#">GeForce MX230</a>                              | 1839                                 | 611                    | NA                                 | NA                        |
| <a href="#">GRID M60-0B</a>                                | 1838                                 | 613                    | NA                                 | NA                        |
| <a href="#">Intel Iris Plus</a>                            | 1835                                 | 614                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8570D + HD 7700 Dual</a>             | 1834                                 | 615                    | NA                                 | NA                        |
| <a href="#">MxGPU</a>                                      | 1826                                 | 616                    | NA                                 | NA                        |
| <a href="#">GeForce GTX 555</a>                            | 1823                                 | 617                    | NA                                 | NA                        |
| <a href="#">FirePro M6000</a>                              | 1820                                 | 618                    | <a href="#">5.58</a>               | <a href="#">\$325.99*</a> |
| <a href="#">Ryzen 3 PRO 4350GE with Radeon Graphics</a>    | 1820                                 | 619                    | NA                                 | NA                        |
| <a href="#">Radeon Vega 11</a>                             | 1815                                 | 620                    | NA                                 | NA                        |
| <a href="#">Matrox C900 PCIe x16</a>                       | 1812                                 | 621                    | NA                                 | NA                        |
| <a href="#">RadeonT RX 560X</a>                            | 1809                                 | 622                    | NA                                 | NA                        |
| <a href="#">RadeonT 540X</a>                               | 1806                                 | 623                    | NA                                 | NA                        |
| <a href="#">Ryzen 5 4500U with Radeon Graphics</a>         | 1806                                 | 624                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8870M / R9 M270X / M370X</a>         | 1799                                 | 625                    | NA                                 | NA                        |
| <a href="#">Embedded Radeon E9173</a>                      | 1798                                 | 626                    | NA                                 | NA                        |
| <a href="#">Radeon R9 M360</a>                             | 1795                                 | 627                    | NA                                 | NA                        |
| <a href="#">Intel Iris 650</a>                             | 1794                                 | 628                    | NA                                 | NA                        |
| <a href="#">Radeon Ryzen 5 4600GE with Radeon Graphics</a> | 1792                                 | 629                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8670D + 7700 Dual</a>                | 1788                                 | 630                    | NA                                 | NA                        |
| <a href="#">Radeon Pro WX 2100</a>                         | 1774                                 | 631                    | NA                                 | NA                        |
| <a href="#">GeForce GTX 670M</a>                           | 1771                                 | 633                    | NA                                 | NA                        |
| <a href="#">Quadro 5010M</a>                               | 1771                                 | 632                    | <a href="#">7.51</a>               | <a href="#">\$235.95*</a> |
| <a href="#">Intel Iris Plus 655</a>                        | 1764                                 | 634                    | NA                                 | NA                        |
| <a href="#">Intel UHD Graphics P750</a>                    | 1760                                 | 635                    | NA                                 | NA                        |
| <a href="#">GeForce GTX 650</a>                            | 1756                                 | 636                    | <a href="#">15.97</a>              | <a href="#">\$109.98*</a> |



| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <u>FirePro M6000 Mobility Pro</u>              | 1750                                    | 637                       | NA                                    | NA                        |
| <u>Ryzen 3 PRO 4200GE with Radeon Graphics</u> | 1748                                    | 638                       | NA                                    | NA                        |
| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>Intel UHD Graphics 750</u>                  | 1746                                    | 639                       | NA                                    | NA                        |
| <u>Radeon HD 5830</u>                          | 1733                                    | 640                       | <a href="#">6.69</a>                  | <a href="#">\$258.99*</a> |
| <u>Intel Iris Plus 645</u>                     | 1731                                    | 641                       | NA                                    | NA                        |
| <u>Radeon R9 M375X</u>                         | 1721                                    | 642                       | NA                                    | NA                        |
| <u>Radeon RX Vega11</u>                        | 1717                                    | 643                       | NA                                    | NA                        |
| <u>Ryzen 3 4300G with Radeon Graphics</u>      | 1716                                    | 644                       | NA                                    | NA                        |
| <u>Radeon HD 6900M</u>                         | 1715                                    | 645                       | NA                                    | NA                        |
| <u>Radeon HD 7750</u>                          | 1711                                    | 646                       | <a href="#">17.12</a>                 | <a href="#">\$99.99*</a>  |
| <u>Ryzen 5 PRO 4650U with Radeon Graphics</u>  | 1691                                    | 647                       | NA                                    | NA                        |
| <u>Radeon RX 640</u>                           | 1689                                    | 648                       | NA                                    | NA                        |
| <u>Radeon E8860</u>                            | 1686                                    | 649                       | NA                                    | NA                        |
| <u>Firepro W5170M</u>                          | 1680                                    | 650                       | NA                                    | NA                        |
| <u>GeForce GTX 760M</u>                        | 1672                                    | 651                       | NA                                    | NA                        |
| <u>Radeon R7 M380</u>                          | 1668                                    | 652                       | NA                                    | NA                        |
| <u>Radeon RX Vega 10</u>                       | 1665                                    | 653                       | NA                                    | NA                        |
| <u>Radeon HD HD7850M</u>                       | 1651                                    | 654                       | NA                                    | NA                        |
| <u>Intel UHD Graphics 730</u>                  | 1644                                    | 655                       | NA                                    | NA                        |
| <u>Radeon HD 8870M</u>                         | 1638                                    | 656                       | NA                                    | NA                        |
| <u>Quadro K3000M</u>                           | 1632                                    | 657                       | <a href="#">4.01</a>                  | <a href="#">\$407.56*</a> |
| <u>FirePro M4000 Mobility Pro</u>              | 1630                                    | 658                       | NA                                    | NA                        |
| <u>Intel Iris Pro P6300</u>                    | 1625                                    | 659                       | NA                                    | NA                        |
| <u>Radeon HD 6790</u>                          | 1624                                    | 660                       | <a href="#">5.53</a>                  | <a href="#">\$294.00*</a> |
| <u>Radeon R7 M465X</u>                         | 1623                                    | 661                       | NA                                    | NA                        |
| <u>FirePro W600</u>                            | 1619                                    | 662                       | <a href="#">3.90</a>                  | <a href="#">\$414.99*</a> |
| <u>GeForce GT 755M</u>                         | 1618                                    | 663                       | NA                                    | NA                        |
| <u>Ryzen 7 2700U with Radeon Vega</u>          | 1617                                    | 664                       | NA                                    | NA                        |
| <u>Quadro K2000D</u>                           | 1612                                    | 665                       | <a href="#">4.74</a>                  | <a href="#">\$339.99*</a> |
| <u>Seria Radeon HD 7700</u>                    | 1603                                    | 666                       | NA                                    | NA                        |
| <u>FirePro M4000</u>                           | 1601                                    | 667                       | <a href="#">21.99</a>                 | <a href="#">\$72.83*</a>  |
| <u>Ryzen 3 PRO 5450U with Radeon Graphics</u>  | 1601                                    | 668                       | NA                                    | NA                        |
| <u>Radeon Vega 9</u>                           | 1592                                    | 669                       | NA                                    | NA                        |
| <u>Quadro P400</u>                             | 1591                                    | 670                       | <a href="#">7.91</a>                  | <a href="#">\$201.17*</a> |
| <u>Radeon Vega 8</u>                           | 1588                                    | 671                       | <a href="#">12.52</a>                 | <a href="#">\$126.86*</a> |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon R9 M275X / M375</u>                      | 1574                                    | 672                       | NA                                    | NA                        |
| <u>Intel Iris Plus 650</u>                         | 1573                                    | 673                       | NA                                    | NA                        |
| <u>Ryzen 3 5300U with Radeon Graphics</u>          | 1568                                    | 674                       | NA                                    | NA                        |
| <u>Quadro K2000</u>                                | 1559                                    | 675                       | <a href="#">5.30</a>                  | <a href="#">\$294.00*</a> |
| <u>Radeon HD 7560D + HD 6670 Dual</u>              | 1554                                    | 677                       | NA                                    | NA                        |
| <u>Radeon Vega 10</u>                              | 1554                                    | 676                       | NA                                    | NA                        |
| <u>GeForce GT 740</u>                              | 1553                                    | 678                       | <a href="#">6.55</a>                  | <a href="#">\$236.99*</a> |
| <u>Radeon RX Vega 8</u>                            | 1552                                    | 679                       | NA                                    | NA                        |
| <u>Radeon HD 8470D + HD 7500 Dual</u>              | 1545                                    | 680                       | NA                                    | NA                        |
| <u>Ryzen 3 PRO 4300U with Radeon Graphics</u>      | 1542                                    | 681                       | NA                                    | NA                        |
| <u>GeForce GTX 285</u>                             | 1539                                    | 682                       | <a href="#">12.83</a>                 | <a href="#">\$119.99*</a> |
| <u>FirePro V8700</u>                               | 1538                                    | 683                       | <a href="#">9.75</a>                  | <a href="#">\$157.88*</a> |
| <u>GeForce GTX 550 Ti</u>                          | 1536                                    | 684                       | <a href="#">15.37</a>                 | <a href="#">\$99.99*</a>  |
| <u>FirePro W4100</u>                               | 1534                                    | 685                       | <a href="#">8.34</a>                  | <a href="#">\$184.00*</a> |
| <u>RadeonT RX 640</u>                              | 1533                                    | 686                       | NA                                    | NA                        |
| <u>Ryzen 3 PRO 4450U with Radeon Graphics</u>      | 1522                                    | 687                       | NA                                    | NA                        |
| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>Intel UHD Graphics</u>                          | 1521                                    | 688                       | NA                                    | NA                        |
| <u>FirePro W6150M</u>                              | 1515                                    | 689                       | NA                                    | NA                        |
| <u>Radeon HD 4890</u>                              | 1514                                    | 690                       | <a href="#">16.83</a>                 | <a href="#">\$89.99*</a>  |
| <u>Radeon HD 7870M</u>                             | 1507                                    | 691                       | NA                                    | NA                        |
| <u>Ryzen 5 2500U with Radeon Vega</u>              | 1503                                    | 692                       | NA                                    | NA                        |
| <u>GeForce 940MX</u>                               | 1500                                    | 693                       | NA                                    | NA                        |
| <u>Radeon HD 6670 + 7660D Dual</u>                 | 1492                                    | 694                       | NA                                    | NA                        |
| <u>Quadro 4000</u>                                 | 1486                                    | 695                       | <a href="#">1.50</a>                  | <a href="#">\$988.89</a>  |
| <u>Radeon HD 7660D + HD 6670 Dual</u>              | 1484                                    | 696                       | NA                                    | NA                        |
| <u>Radeon R9 255</u>                               | 1484                                    | 697                       | <a href="#">4.31</a>                  | <a href="#">\$344.16*</a> |
| <u>Radeon R9 M365X</u>                             | 1481                                    | 698                       | NA                                    | NA                        |
| <u>Quadro P500</u>                                 | 1471                                    | 699                       | NA                                    | NA                        |
| <u>GeForce MX110</u>                               | 1470                                    | 700                       | NA                                    | NA                        |
| <u>Radeon Vega 10 Mobile</u>                       | 1465                                    | 701                       | NA                                    | NA                        |
| <u>GeForce 845M</u>                                | 1464                                    | 702                       | NA                                    | NA                        |
| <u>Radeon Ryzen 3 PRO 5450U</u>                    | 1454                                    | 703                       | NA                                    | NA                        |
| <u>Radeon Vega 8 Mobile</u>                        | 1442                                    | 704                       | NA                                    | NA                        |
| <u>Ryzen 5 PRO 4400GE with Radeon Graphics</u>     | 1441                                    | 705                       | NA                                    | NA                        |
| <u>Radeon Eng Sample: 100-000000085-40_35/24_Y</u> | 1440                                    | 706                       | NA                                    | NA                        |

| Videocard Name                            | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon HD 8470D + HD 6670 Dual</u>     | 1435                                 | 707                    | NA                                 | NA                        |
| <u>Intel Iris Pro Graphics 6200</u>       | 1429                                 | 708                    | NA                                 | NA                        |
| <u>Radeon HD 7560D + 7670 Dual</u>        | 1426                                 | 709                    | NA                                 | NA                        |
| <u>GeForce GTX 660M</u>                   | 1425                                 | 710                    | <a href="#">18.05</a>              | <a href="#">\$78.99*</a>  |
| <u>Radeon 550X</u>                        | 1419                                 | 711                    | NA                                 | NA                        |
| <u>Radeon R7 M370</u>                     | 1417                                 | 712                    | NA                                 | NA                        |
| <u>Radeon Pro WX 4170</u>                 | 1409                                 | 713                    | NA                                 | NA                        |
| <u>GeForce GTX 275</u>                    | 1400                                 | 714                    | <a href="#">3.24</a>               | <a href="#">\$431.72*</a> |
| <u>Radeon R9 M370X</u>                    | 1398                                 | 715                    | <a href="#">1.57</a>               | <a href="#">\$889.00*</a> |
| <u>Radeon HD 4870</u>                     | 1394                                 | 716                    | <a href="#">17.44</a>              | <a href="#">\$79.99*</a>  |
| <u>Radeon 540X</u>                        | 1391                                 | 717                    | NA                                 | NA                        |
| <u>Radeon HD 7560D + HD 7670 Dual</u>     | 1380                                 | 718                    | NA                                 | NA                        |
| <u>FirePro W5130M</u>                     | 1378                                 | 719                    | NA                                 | NA                        |
| <u>Radeon R7 PRO A12-8870</u>             | 1375                                 | 720                    | NA                                 | NA                        |
| <u>Intel Iris 550</u>                     | 1373                                 | 721                    | NA                                 | NA                        |
| <u>Radeon HD 7850M</u>                    | 1372                                 | 722                    | NA                                 | NA                        |
| <u>FirePro M40003</u>                     | 1364                                 | 723                    | NA                                 | NA                        |
| <u>Radeon HD 8670D + 6670 Dual</u>        | 1361                                 | 724                    | NA                                 | NA                        |
| <u>Quadro K2100M</u>                      | 1353                                 | 725                    | <a href="#">3.25</a>               | <a href="#">\$415.99*</a> |
| <u>Radeon 540</u>                         | 1348                                 | 726                    | NA                                 | NA                        |
| <u>Radeon HD 7560D + HD 7700 Dual</u>     | 1346                                 | 728                    | NA                                 | NA                        |
| <u>Radeon R7 FX-9830P RADEON</u>          | 1346                                 | 727                    | NA                                 | NA                        |
| <u>Radeon HD 5770</u>                     | 1343                                 | 729                    | <a href="#">7.07</a>               | <a href="#">\$189.99*</a> |
| <u>FireStream 9270</u>                    | 1341                                 | 730                    | NA                                 | NA                        |
| <u>Intel Iris Plus 640</u>                | 1338                                 | 731                    | NA                                 | NA                        |
| <u>GeForce GTS 450</u>                    | 1335                                 | 732                    | <a href="#">16.70</a>              | <a href="#">\$79.99*</a>  |
| <u>Ryzen 3 4300U with Radeon Graphics</u> | 1329                                 | 733                    | NA                                 | NA                        |
| <u>Ryzen 3 5400U with Radeon Graphics</u> | 1325                                 | 734                    | NA                                 | NA                        |
| <u>Radeon HD 8670D + HD 7600 Dual</u>     | 1317                                 | 735                    | NA                                 | NA                        |
| <u>FirePro M5950</u>                      | 1314                                 | 737                    | NA                                 | NA                        |
| Videocard Name                            | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>GeForce GT 750M</u>                    | 1314                                 | 736                    | NA                                 | NA                        |
| <u>Radeon HD 4870 X2</u>                  | 1309                                 | 739                    | NA                                 | NA                        |
| <u>Radeon R7 PRO A8-8670E</u>             | 1309                                 | 738                    | NA                                 | NA                        |
| <u>Radeon HD 8790M</u>                    | 1305                                 | 741                    | NA                                 | NA                        |
| <u>Tesla M2070-Q</u>                      | 1305                                 | 740                    | NA                                 | NA                        |
| <u>GeForce 930MX</u>                      | 1301                                 | 742                    | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)                     |
|---|---|---------------------------|---------------------------------------|------------------------------------|
| <a href="#"><u>Quadro 4000M</u></a>                   | 1301                                    | 743                       | <a href="#"><u>5.61</u></a>           | <a href="#"><u>\$232.06*</u></a>   |
| <a href="#"><u>Radeon Vega 6</u></a>                  | 1299                                    | 745                       | <a href="#"><u>0.72</u></a>           | <a href="#"><u>\$1,799.99*</u></a> |
| <a href="#"><u>TENSOR 1.0 Driver Intel HD 630</u></a> | 1299                                    | 744                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon R7 A370</u></a>                 | 1281                                    | 746                       | NA                                    | NA                                 |
| <a href="#"><u>Intel UHD Graphics 630</u></a>         | 1279                                    | 747                       | NA                                    | NA                                 |
| <a href="#"><u>FirePro 3D V8750</u></a>               | 1271                                    | 748                       | <a href="#"><u>1.03</u></a>           | <a href="#"><u>\$1,230.99*</u></a> |
| <a href="#"><u>Radeon HD 8570D + HD 6670 Dual</u></a> | 1260                                    | 749                       | NA                                    | NA                                 |
| <a href="#"><u>FirePro V5900</u></a>                  | 1258                                    | 750                       | <a href="#"><u>14.64</u></a>          | <a href="#"><u>\$86.00*</u></a>    |
| <a href="#"><u>Radeon HD 7560D + HD 7600 Dual</u></a> | 1258                                    | 751                       | NA                                    | NA                                 |
| <a href="#"><u>Intel Iris 540</u></a>                 | 1251                                    | 752                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon 630</u></a>                     | 1244                                    | 753                       | NA                                    | NA                                 |
| <a href="#"><u>GeForce GTX 560M</u></a>               | 1243                                    | 754                       | NA                                    | NA                                 |
| <a href="#"><u>Quadro FX 5800</u></a>                 | 1241                                    | 755                       | <a href="#"><u>4.53</u></a>           | <a href="#"><u>\$274.00*</u></a>   |
| <a href="#"><u>Quadro 2000 D</u></a>                  | 1239                                    | 756                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 8570D + 6570 Dual</u></a>    | 1239                                    | 757                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 7660D + 6670 Dual</u></a>    | 1238                                    | 758                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 7560D + HD 6570 Dual</u></a> | 1237                                    | 759                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon R7 A10-7870K</u></a>            | 1236                                    | 760                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon R7 + R5 340 Dual</u></a>        | 1234                                    | 761                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 6770</u></a>                 | 1233                                    | 762                       | <a href="#"><u>4.66</u></a>           | <a href="#"><u>\$264.99*</u></a>   |
| <a href="#"><u>Radeon R7 + R7 250 Dual</u></a>        | 1232                                    | 763                       | NA                                    | NA                                 |
| <a href="#"><u>FirePro 3D V5800</u></a>               | 1231                                    | 764                       | <a href="#"><u>6.04</u></a>           | <a href="#"><u>\$204.00*</u></a>   |
| <a href="#"><u>Intel Iris Pro 5200</u></a>            | 1225                                    | 765                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 8670D + HD 6670 Dual</u></a> | 1221                                    | 766                       | NA                                    | NA                                 |
| <a href="#"><u>GeForce GTX 280</u></a>                | 1218                                    | 767                       | <a href="#"><u>2.33</u></a>           | <a href="#"><u>\$522.78*</u></a>   |
| <a href="#"><u>GeForce GPU</u></a>                    | 1217                                    | 769                       | NA                                    | NA                                 |
| <a href="#"><u>GeForce GTX 260</u></a>                | 1217                                    | 768                       | <a href="#"><u>15.22</u></a>          | <a href="#"><u>\$79.99*</u></a>    |
| <a href="#"><u>GeForce GTX 460M</u></a>               | 1215                                    | 770                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 8790M / R9 M290X</u></a>     | 1210                                    | 771                       | NA                                    | NA                                 |
| <a href="#"><u>FirePro 3D V8700</u></a>               | 1206                                    | 772                       | <a href="#"><u>7.09</u></a>           | <a href="#"><u>\$170.07*</u></a>   |
| <a href="#"><u>GeForce GT 650M</u></a>                | 1204                                    | 774                       | NA                                    | NA                                 |
| <a href="#"><u>N16P-GX</u></a>                        | 1204                                    | 773                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 7660D + 7540D Dual</u></a>   | 1204                                    | 775                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon R9 M270X</u></a>                | 1204                                    | 776                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon HD 7750M</u></a>                | 1191                                    | 777                       | NA                                    | NA                                 |
| <a href="#"><u>Radeon R7 +8G</u></a>                  | 1190                                    | 778                       | NA                                    | NA                                 |
| <a href="#"><u>GeForce GTX 295</u></a>                | 1188                                    | 779                       | <a href="#"><u>7.43</u></a>           | <a href="#"><u>\$159.99*</u></a>   |

| Videocard Name                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|-------------------------------------|---|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon HD 7730</u>               | 1187                                    | 780                       | <a href="#">5.10</a>                  | <a href="#">\$232.70*</a> |
| <u>Intel HD P530</u>                | 1186                                    | 781                       | NA                                    | NA                        |
| <u>GeForce GT 640</u>               | 1185                                    | 782                       | <a href="#">10.78</a>                 | <a href="#">\$109.99*</a> |
| <u>FirePro V5800</u>                | 1182                                    | 783                       | <a href="#">22.31</a>                 | <a href="#">\$53.00*</a>  |
| <u>GeForce 840A</u>                 | 1179                                    | 784                       | NA                                    | NA                        |
| <u>Radeon R7 Opteron X3421</u>      | 1168                                    | 785                       | NA                                    | NA                        |
| Videocard Name                      | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>Radeon HD 5750</u>               | 1165                                    | 786                       | <a href="#">16.65</a>                 | <a href="#">\$69.99*</a>  |
| <u>FireStream 9250</u>              | 1164                                    | 787                       | NA                                    | NA                        |
| <u>Radeon Ryzen Embedded V2516</u>  | 1163                                    | 788                       | NA                                    | NA                        |
| <u>Barco MXRT 5400</u>              | 1161                                    | 791                       | <a href="#">5.72</a>                  | <a href="#">\$203.00*</a> |
| <u>Intel HD P630</u>                | 1161                                    | 789                       | NA                                    | NA                        |
| <u>NVS 810</u>                      | 1161                                    | 790                       | <a href="#">1.86</a>                  | <a href="#">\$624.99*</a> |
| <u>Intel Coffee Lake UHD</u>        | 1158                                    | 793                       | NA                                    | NA                        |
| <u>Quadro K620M</u>                 | 1158                                    | 792                       | NA                                    | NA                        |
| <u>Radeon 625</u>                   | 1148                                    | 794                       | NA                                    | NA                        |
| <u>GeForce 940A</u>                 | 1144                                    | 795                       | NA                                    | NA                        |
| <u>GeForce GT 745A</u>              | 1144                                    | 796                       | NA                                    | NA                        |
| <u>GeForce 930A</u>                 | 1139                                    | 797                       | NA                                    | NA                        |
| <u>Radeon HD 8850M / R9 M265X</u>   | 1139                                    | 798                       | NA                                    | NA                        |
| <u>Radeon R7 A10-9700E RADEON</u>   | 1137                                    | 799                       | NA                                    | NA                        |
| <u>Radeon HD 4850 X2</u>            | 1132                                    | 800                       | NA                                    | NA                        |
| <u>Radeon HD 7560D + 6670 Dual</u>  | 1130                                    | 801                       | NA                                    | NA                        |
| <u>Radeon R7 + R7 200 Dual</u>      | 1128                                    | 802                       | NA                                    | NA                        |
| <u>Radeon HD 8650G + 7700M Dual</u> | 1126                                    | 803                       | NA                                    | NA                        |
| <u>Quadro M500M</u>                 | 1125                                    | 804                       | NA                                    | NA                        |
| <u>Radeon HD 7660D + 7500 Dual</u>  | 1121                                    | 805                       | NA                                    | NA                        |
| <u>Firepro W4190M</u>               | 1120                                    | 806                       | NA                                    | NA                        |
| <u>Intel HD 630</u>                 | 1115                                    | 807                       | NA                                    | NA                        |
| <u>Radeon R9 M275</u>               | 1114                                    | 808                       | <a href="#">1.59</a>                  | <a href="#">\$699.99*</a> |
| <u>GeForce 940M</u>                 | 1113                                    | 809                       | NA                                    | NA                        |
| <u>Radeon R7 250</u>                | 1107                                    | 810                       | <a href="#">5.83</a>                  | <a href="#">\$189.97*</a> |
| <u>Intel UHD Graphics 710</u>       | 1101                                    | 811                       | NA                                    | NA                        |
| <u>Quadro 2100M</u>                 | 1100                                    | 813                       | NA                                    | NA                        |
| <u>Radeon HD 7660D + 6570 Dual</u>  | 1100                                    | 812                       | NA                                    | NA                        |
| <u>Radeon R5 PRO A6-9500 2C+6G</u>  | 1096                                    | 814                       | NA                                    | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G</u> | 1095                                    | 815                       | NA                                    | NA                        |
| <u>Radeon R7 430</u>                                   | 1093                                    | 816                       | <a href="#">5.47</a>                  | <a href="#">\$199.99*</a> |
| <u>GeForce GTX 850M - MODDED</u>                       | 1091                                    | 817                       | NA                                    | NA                        |
| <u>Radeon R7 M460</u>                                  | 1090                                    | 818                       | NA                                    | NA                        |
| <u>GeForce GT 545</u>                                  | 1085                                    | 819                       | <a href="#">19.52</a>                 | <a href="#">\$55.59*</a>  |
| <u>Quadro K1100M</u>                                   | 1082                                    | 820                       | <a href="#">3.35</a>                  | <a href="#">\$322.99*</a> |
| <u>GeForce 920MX</u>                                   | 1081                                    | 821                       | NA                                    | NA                        |
| <u>MIRRORV3</u>  | 1080                                    | 822                       | NA                                    | NA                        |
| <u>Barco MXRT 5450</u>                                 | 1079                                    | 823                       | <a href="#">5.40</a>                  | <a href="#">\$199.99*</a> |
| <u>Mobility Radeon HD 5870</u>                         | 1076                                    | 824                       | NA                                    | NA                        |
| <u>GeForce GT 745M</u>                                 | 1074                                    | 825                       | NA                                    | NA                        |
| <u>Radeon HD 8450G + 8600/8700M Dual</u>               | 1070                                    | 826                       | NA                                    | NA                        |
| <u>FirePro M4170</u>                                   | 1067                                    | 827                       | NA                                    | NA                        |
| <u>GeForce 840M</u>                                    | 1063                                    | 828                       | NA                                    | NA                        |
| <u>Radeon HD 7660D + 7670 Dual</u>                     | 1061                                    | 829                       | NA                                    | NA                        |
| <u>Radeon HD 7520G + 7700M Dual</u>                    | 1060                                    | 830                       | NA                                    | NA                        |
| <u>Firepro M4100</u>                                   | 1059                                    | 832                       | NA                                    | NA                        |
| <u>GeForce GTX 760A</u>                                | 1059                                    | 831                       | NA                                    | NA                        |
| <u>Radeon 535</u>                                      | 1058                                    | 833                       | NA                                    | NA                        |
| <u>OPAL XT/GL</u>                                      | 1053                                    | 834                       | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <u>Radeon HD 7670A</u>                                 | 1050                                    | 835                       | NA                                    | NA                        |
| <u>GeForce GTX 850A</u>                                | 1049                                    | 836                       | NA                                    | NA                        |
| <u>Radeon R7 A12-9730P RADEON</u>                      | 1047                                    | 837                       | NA                                    | NA                        |
| <u>Radeon R7 A12-9800 RADEON</u>                       | 1046                                    | 838                       | NA                                    | NA                        |
| <u>Radeon R7 + R7 240 Dual</u>                         | 1045                                    | 840                       | NA                                    | NA                        |
| <u>Radeon R7 340</u>                                   | 1045                                    | 839                       | NA                                    | NA                        |
| <u>Radeon HD 8570D + 6670 Dual</u>                     | 1039                                    | 841                       | NA                                    | NA                        |
| <u>Intel UHD Graphics 620</u>                          | 1033                                    | 842                       | NA                                    | NA                        |
| <u>Quadro K2000M</u>                                   | 1032                                    | 844                       | <a href="#">7.17</a>                  | <a href="#">\$144.04*</a> |
| <u>Radeon HD 8570D + HD 8570 Dual</u>                  | 1032                                    | 843                       | NA                                    | NA                        |
| <u>Radeon HD 8600/8700M</u>                            | 1029                                    | 845                       | NA                                    | NA                        |
| <u>Radeon R7 + R5 330 Dual</u>                         | 1028                                    | 846                       | NA                                    | NA                        |
| <u>Radeon R7 M350</u>                                  | 1027                                    | 847                       | NA                                    | NA                        |
| <u>Radeon HD 8670D + R7 240 Dual</u>                   | 1020                                    | 848                       | NA                                    | NA                        |
| <u>Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G</u> | 1018                                    | 849                       | NA                                    | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon HD 6700M</u>                                    | 1016                                 | 850                    | NA                                 | NA                        |
| <u>RadeonT R5 430</u>                                     | 1016                                 | 851                    | NA                                 | NA                        |
| <u>Radeon R5 A6-9500E 2C+4G</u>                           | 1014                                 | 852                    | NA                                 | NA                        |
| <u>GeForce 930M</u>                                       | 1009                                 | 853                    | NA                                 | NA                        |
| <u>Radeon HD 7690M XT</u>                                 | 1009                                 | 855                    | NA                                 | NA                        |
| <u>Radeon Vega 3 Mobile</u>                               | 1009                                 | 854                    | NA                                 | NA                        |
| <u>Quadro 3000M</u>                                       | 1007                                 | 856                    | <a href="#">14.39</a>              | <a href="#">\$69.99*</a>  |
| <u>GeForce 830A</u>                                       | 1004                                 | 857                    | NA                                 | NA                        |
| <u>Radeon HD 7690M</u>                                    | 1003                                 | 858                    | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 7500/7600 7500/7600 Dual</u>      | 1002                                 | 859                    | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 7500M/7600M Dual</u>              | 999                                  | 861                    | NA                                 | NA                        |
| <u>Radeon HD 8570D + R7 200 Dual</u>                      | 999                                  | 860                    | NA                                 | NA                        |
| <u>Radeon R9 M265X</u>                                    | 998                                  | 862                    | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 8750M Dual</u>                    | 996                                  | 863                    | NA                                 | NA                        |
| <u>Radeon R7 M465</u>                                     | 995                                  | 864                    | NA                                 | NA                        |
| <u>Radeon R7 A265</u>                                     | 993                                  | 865                    | NA                                 | NA                        |
| <u>Radeon HD 7560D + 7570 Dual</u>                        | 985                                  | 866                    | NA                                 | NA                        |
| <u>Radeon HD 8690M</u>                                    | 984                                  | 867                    | NA                                 | NA                        |
| <u>Radeon R5 340</u>                                      | 984                                  | 868                    | NA                                 | NA                        |
| <u>Radeon HD 8570</u>                                     | 983                                  | 869                    | <a href="#">9.96</a>               | <a href="#">\$98.68*</a>  |
| <u>GeForce 830M</u>                                       | 982                                  | 870                    | NA                                 | NA                        |
| <u>Intel HD 530</u>                                       | 982                                  | 872                    | NA                                 | NA                        |
| <u>Quadro 2000D</u>                                       | 982                                  | 873                    | <a href="#">7.02</a>               | <a href="#">\$140.00*</a> |
| <u>Radeon HD 7560D + 7560D Dual</u>                       | 982                                  | 871                    | NA                                 | NA                        |
| <u>FirePro V4900</u>                                      | 977                                  | 875                    | <a href="#">6.52</a>               | <a href="#">\$149.99*</a> |
| <u>Quadro FX 4800</u>                                     | 977                                  | 874                    | <a href="#">4.79</a>               | <a href="#">\$204.00*</a> |
| <u>Radeon R5 A10-9630P 4C+6G</u>                          | 977                                  | 876                    | NA                                 | NA                        |
| <u>Radeon HD 8670D + 8570 Dual</u>                        | 974                                  | 877                    | NA                                 | NA                        |
| <u>Radeon HD 8850M</u>                                    | 973                                  | 878                    | NA                                 | NA                        |
| <u>Radeon 530</u>   | 972                                  | 879                    | NA                                 | NA                        |
| <u>Radeon R6 A10-9600P 4C+6G</u>                          | 970                                  | 880                    | NA                                 | NA                        |
| <u>Radeon HD 6750</u>                                     | 968                                  | 881                    | <a href="#">12.11</a>              | <a href="#">\$79.99*</a>  |
| <u>Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D</u> | 966                                  | 882                    | NA                                 | NA                        |
| <u>Qualcomm Adreno 690 GPU</u>                            | 965                                  | 883                    | NA                                 | NA                        |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>FirePro W4170M</u>                                     | 964                                  | 886                    | NA                                 | NA                        |



| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">Radeon HD 6770M</a>                | 964                                  | 884                    | NA                                 | NA                        |
| <a href="#">Radeon R7 A10-7850K</a>            | 964                                  | 885                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8570D + R7 240 Dual</a>  | 963                                  | 887                    | NA                                 | NA                        |
| <a href="#">Radeon R7 A10-9700 RADEON</a>      | 960                                  | 888                    | NA                                 | NA                        |
| <a href="#">Radeon R7 A10 PRO-7850B</a>        | 958                                  | 889                    | NA                                 | NA                        |
| <a href="#">Radeon R5 430</a>                  | 956                                  | 890                    | <a href="#">16.21</a>              | <a href="#">\$59.00*</a>  |
| <a href="#">Radeon R6 Opteron X3418</a>        | 955                                  | 891                    | NA                                 | NA                        |
| <a href="#">Radeon R7 M260X</a>                | 954                                  | 892                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8570 + HD 7660D Dual</a> | 949                                  | 894                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8670D + R7 200 Dual</a>  | 949                                  | 893                    | NA                                 | NA                        |
| <a href="#">Radeon R7 M445</a>                 | 949                                  | 895                    | <a href="#">1.28</a>               | <a href="#">\$744.00*</a> |
| <a href="#">FirePro M4150</a>                  | 948                                  | 896                    | NA                                 | NA                        |
| <a href="#">Quadro CX</a>                      | 947                                  | 898                    | <a href="#">6.32</a>               | <a href="#">\$149.95*</a> |
| <a href="#">Radeon R7 A8-7500</a>              | 947                                  | 897                    | NA                                 | NA                        |
| <a href="#">Radeon HD 4850</a>                 | 946                                  | 899                    | <a href="#">2.50</a>               | <a href="#">\$378.00*</a> |
| <a href="#">Radeon HD 6670/7670</a>            | 945                                  | 900                    | NA                                 | NA                        |
| <a href="#">Radeon HD 7640G + 7690M Dual</a>   | 945                                  | 901                    | NA                                 | NA                        |
| <a href="#">Radeon R7 PRO A10-8850B</a>        | 945                                  | 902                    | NA                                 | NA                        |
| <a href="#">Radeon HD 7660D + R7 240 Dual</a>  | 941                                  | 903                    | NA                                 | NA                        |
| <a href="#">Radeon R7 A12-9800E RADEON</a>     | 940                                  | 904                    | <a href="#">6.76</a>               | <a href="#">\$139.19*</a> |
| <a href="#">Radeon HD 6750M</a>                | 937                                  | 905                    | NA                                 | NA                        |
| <a href="#">Quadro 2000</a>                    | 935                                  | 907                    | <a href="#">4.39</a>               | <a href="#">\$213.23*</a> |
| <a href="#">Radeon HD 7560D + HD 8570 Dual</a> | 935                                  | 906                    | NA                                 | NA                        |
| <a href="#">Radeon R7 PRO A12-9800</a>         | 933                                  | 908                    | NA                                 | NA                        |
| <a href="#">Radeon HD 7660G + 7730M Dual</a>   | 931                                  | 909                    | NA                                 | NA                        |
| <a href="#">Radeon R7 240 + HD 8670D Dual</a>  | 930                                  | 911                    | NA                                 | NA                        |
| <a href="#">Radeon R7 PRO A10-8770</a>         | 930                                  | 910                    | NA                                 | NA                        |
| <a href="#">Radeon. HD 7730M</a>               | 928                                  | 912                    | NA                                 | NA                        |
| <a href="#">Intel Iris Pro 6100</a>            | 925                                  | 913                    | NA                                 | NA                        |
| <a href="#">Intel HD Graphics 620</a>          | 923                                  | 914                    | NA                                 | NA                        |
| <a href="#">GeForce GT 645M</a>                | 921                                  | 915                    | NA                                 | NA                        |
| <a href="#">Radeon R7 240 + HD 8570D Dual</a>  | 917                                  | 916                    | NA                                 | NA                        |
| <a href="#">Radeon R7 A10-7860K</a>            | 916                                  | 918                    | NA                                 | NA                        |
| <a href="#">Radeon R7 PRO A12-8870E</a>        | 916                                  | 917                    | NA                                 | NA                        |
| <a href="#">Intel Iris 6100</a>                | 915                                  | 919                    | NA                                 | NA                        |
| <a href="#">Radeon HD 8750M</a>                | 914                                  | 920                    | NA                                 | NA                        |
| <a href="#">GRID M10-0Q</a>                    | 913                                  | 921                    | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>GRID K220Q</u>   | 912                                  | 923                    | NA                                 | NA                          |
| <u>Radeon R7 A8-8650</u>                                  | 912                                  | 922                    | NA                                 | NA                          |
| <u>GeForce GT 640M</u>                                    | 911                                  | 924                    | NA                                 | NA                          |
| <u>GRID M6-0B</u>   | 911                                  | 925                    | NA                                 | NA                          |
| <u>Radeon 6750M</u>                                       | 911                                  | 926                    | NA                                 | NA                          |
| <u>Radeon HD 4770</u>                                     | 906                                  | 927                    | <a href="#">15.10</a>              | <a href="#">\$59.99*</a>    |
| <u>Radeon R7 PRO A12-9800E</u>                            | 904                                  | 928                    | NA                                 | NA                          |
| <u>Radeon HD 8550G + 7600M Dual</u>                       | 901                                  | 929                    | NA                                 | NA                          |
| <u>Barco MXRT 2600</u>                                    | 900                                  | 931                    | <a href="#">4.52</a>               | <a href="#">\$199.00*</a>   |
| <u>Barco MXRT 7400</u>                                    | 900                                  | 930                    | <a href="#">9.10</a>               | <a href="#">\$99.00*</a>    |
| <u>Radeon 620</u>   | 897                                  | 933                    | NA                                 | NA                          |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>Radeon R7 + R5 Dual</u>                                | 897                                  | 932                    | NA                                 | NA                          |
| <u>7900 MOD - Radeon HD 6550D</u>                         | 892                                  | 934                    | NA                                 | NA                          |
| <u>FirePro W2100</u>                                      | 890                                  | 935                    | <a href="#">15.08</a>              | <a href="#">\$59.00*</a>    |
| <u>GeForce 920A</u>                                       | 888                                  | 936                    | NA                                 | NA                          |
| <u>Radeon R7 PRO A10-9700E</u>                            | 886                                  | 937                    | <a href="#">1.68</a>               | <a href="#">\$529.00*</a>   |
| <u>Radeon R7 + R5 435 Dual A10-9700 RADEON</u>            | 885                                  | 939                    | NA                                 | NA                          |
| <u>Radeon Vega 3</u>                                      | 885                                  | 938                    | <a href="#">0.33</a>               | <a href="#">\$2,677.99*</a> |
| <u>Radeon R9 M375</u>                                     | 884                                  | 940                    | NA                                 | NA                          |
| <u>Radeon HD 8650G + 7670M Dual</u>                       | 883                                  | 941                    | NA                                 | NA                          |
| <u>Radeon HD 7660G + HD 7730M Dual</u>                    | 881                                  | 942                    | NA                                 | NA                          |
| <u>Radeon E6760</u>                                       | 876                                  | 943                    | <a href="#">3.65</a>               | <a href="#">\$239.99*</a>   |
| <u>LMIMIRR</u>  | 874                                  | 944                    | NA                                 | NA                          |
| <u>Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G</u> | 873                                  | 947                    | NA                                 | NA                          |
| <u>Radeon R7 240</u>                                      | 873                                  | 945                    | <a href="#">7.95</a>               | <a href="#">\$109.99*</a>   |
| <u>Radeon R7 A10-8750</u>                                 | 873                                  | 946                    | NA                                 | NA                          |
| <u>Radeon R7 G</u>  | 869                                  | 948                    | NA                                 | NA                          |
| <u>Radeon HD 8570D + HD 6570 Dual</u>                     | 868                                  | 949                    | NA                                 | NA                          |
| <u>Radeon R7 M440</u>                                     | 867                                  | 950                    | NA                                 | NA                          |
| <u>Intel HD 520</u>                                       | 866                                  | 953                    | NA                                 | NA                          |
| <u>Intel HD 6000</u>                                      | 866                                  | 951                    | NA                                 | NA                          |
| <u>Mobility Radeon HD 4850</u>                            | 866                                  | 952                    | NA                                 | NA                          |
| <u>Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G</u>   | 866                                  | 954                    | NA                                 | NA                          |
| <u>Intel UHD Graphics 617</u>                             | 865                                  | 955                    | NA                                 | NA                          |
| <u>Radeon HD 8470D + HD 6450 Dual</u>                     | 862                                  | 956                    | NA                                 | NA                          |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>Radeon HD 4830</u>                                     | 860                                  | 957                    | <a href="#">14.34</a>              | <a href="#">\$59.99*</a>    |
| <u>Radeon R7 PRO A8-9600</u>                              | 856                                  | 958                    | NA                                 | NA                          |
| <u>Radeon HD 8550G + HD 7600M Dual</u>                    | 854                                  | 959                    | NA                                 | NA                          |
| <u>FirePro 3D V4800</u>                                   | 853                                  | 960                    | <a href="#">5.33</a>               | <a href="#">\$159.99*</a>   |
| <u>Radeon R5 A6-9500 2C+6G</u>                            | 853                                  | 961                    | NA                                 | NA                          |
| <u>Radeon R7 A8-7500 4C+6G</u>                            | 853                                  | 962                    | NA                                 | NA                          |
| <u>Radeon HD 8500M/8700M</u>                              | 852                                  | 963                    | NA                                 | NA                          |
| <u>Radeon R7 A8-7670K</u>                                 | 848                                  | 964                    | NA                                 | NA                          |
| <u>Radeon R5 PRO A6-8570 2C+6G</u>                        | 847                                  | 965                    | NA                                 | NA                          |
| <u>Radeon 520</u>   | 845                                  | 966                    | <a href="#">9.40</a>               | <a href="#">\$89.99*</a>    |
| <u>GeForce GT 445M</u>                                    | 843                                  | 967                    | NA                                 | NA                          |
| <u>Radeon R5 435</u>                                      | 840                                  | 968                    | NA                                 | NA                          |
| <u>FireGL V8600</u>                                       | 838                                  | 969                    | NA                                 | NA                          |
| <u>Radeon HD 8470D + 6570 Dual</u>                        | 837                                  | 970                    | NA                                 | NA                          |
| <u>Radeon HD 8670D + R5 235 Dual</u>                      | 836                                  | 971                    | NA                                 | NA                          |
| <u>Radeon HD 6650A</u>                                    | 835                                  | 972                    | NA                                 | NA                          |
| <u>Radeon HD 7560D + 6570 Dual</u>                        | 833                                  | 973                    | NA                                 | NA                          |
| <u>Radeon HD 7520G + HD 7500/7600 Dual</u>                | 832                                  | 974                    | NA                                 | NA                          |
| <u>GeForce GT 635</u>                                     | 831                                  | 977                    | <a href="#">12.42</a>              | <a href="#">\$66.94*</a>    |
| <u>Radeon HD 7660G + 7600M Dual</u>                       | 831                                  | 976                    | NA                                 | NA                          |
| <u>Radeon HD 8650G + 8600/8700M Dual</u>                  | 831                                  | 975                    | NA                                 | NA                          |
| <u>Intel HD 5200</u>                                      | 830                                  | 979                    | NA                                 | NA                          |
| <u>Radeon R7 PRO A10-9700</u>                             | 830                                  | 978                    | NA                                 | NA                          |
| <u>GRID M60-0Q</u>  | 827                                  | 980                    | NA                                 | NA                          |
| <u>Radeon R7 PRO A10-8770E</u>                            | 827                                  | 981                    | NA                                 | NA                          |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>3DP Edition</u>  | 826                                  | 982                    | <a href="#">0.71</a>               | <a href="#">\$1,159.99*</a> |
| <u>Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D</u> | 824                                  | 983                    | NA                                 | NA                          |
| <u>Radeon HD 3850 X2</u>                                  | 822                                  | 984                    | NA                                 | NA                          |
| <u>Radeon R7 M260DX</u>                                   | 822                                  | 985                    | NA                                 | NA                          |
| <u>GeForce GT 730</u>                                     | 821                                  | 987                    | <a href="#">7.47</a>               | <a href="#">\$109.99*</a>   |
| <u>Radeon HD 7540D + 7500 Dual</u>                        | 821                                  | 986                    | NA                                 | NA                          |
| <u>Radeon HD 8550G + HD 8750M Dual</u>                    | 819                                  | 989                    | NA                                 | NA                          |
| <u>Radeon HD 8650G + HD 7600M Dual</u>                    | 819                                  | 988                    | NA                                 | NA                          |
| <u>GeForce GT 730M</u>                                    | 818                                  | 990                    | NA                                 | NA                          |
| <u>Radeon R7 A10 Extreme Edition</u>                      | 816                                  | 991                    | NA                                 | NA                          |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon R7 A8-9600 RADEON</u>                        | 815                                  | 992                    | NA                                 | NA                        |
| <u>Radeon HD 7670</u>                                  | 813                                  | 994                    | NA                                 | NA                        |
| <u>Radeon R9 M280X</u>                                 | 813                                  | 993                    | NA                                 | NA                        |
| <u>Radeon HD 8670D + 7000 Dual</u>                     | 811                                  | 995                    | NA                                 | NA                        |
| <u>Radeon HD 6800M</u>                                 | 808                                  | 996                    | NA                                 | NA                        |
| <u>Radeon R8 M445DX</u>                                | 806                                  | 997                    | NA                                 | NA                        |
| <u>Radeon HD 8550G + 8600/8700M Dual</u>               | 802                                  | 998                    | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8790M Dual</u>                 | 799                                  | 999                    | NA                                 | NA                        |
| <u>Radeon R7 FX-8800P</u>                              | 798                                  | 1000                   | NA                                 | NA                        |
| <u>GeForce 9800 GX2</u>                                | 797                                  | 1001                   | <a href="#">4.09</a>               | <a href="#">\$195.00*</a> |
| <u>Radeon 535DX</u>                                    | 797                                  | 1002                   | NA                                 | NA                        |
| <u>Radeon HD 8650G N HD 8650G + HD 8600/8700M Dual</u> | 796                                  | 1003                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + 8750M Dual</u>                    | 795                                  | 1004                   | NA                                 | NA                        |
| <u>Radeon R7 A10-7700K</u>                             | 793                                  | 1005                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + 8750M Dual</u>                    | 786                                  | 1006                   | NA                                 | NA                        |
| <u>Radeon R7 A8-7600</u>                               | 786                                  | 1007                   | NA                                 | NA                        |
| <u>GeForce GT 740M</u>                                 | 784                                  | 1008                   | NA                                 | NA                        |
| <u>Radeon HD 5670</u>                                  | 784                                  | 1009                   | <a href="#">11.70</a>              | <a href="#">\$67.00*</a>  |
| <u>GeForce 825M</u>                                    | 783                                  | 1010                   | NA                                 | NA                        |
| <u>Quadro FX 3800</u>                                  | 782                                  | 1011                   | <a href="#">3.02</a>               | <a href="#">\$259.13*</a> |
| <u>Quadro K1000M</u>                                   | 781                                  | 1012                   | <a href="#">11.17</a>              | <a href="#">\$69.95*</a>  |
| <u>Radeon R5 M435</u>                                  | 781                                  | 1013                   | NA                                 | NA                        |
| <u>Radeon R7 A365</u>                                  | 781                                  | 1015                   | NA                                 | NA                        |
| <u>Radeon R7 PRO A6-9500 2C+6G</u>                     | 781                                  | 1014                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8750M Dual</u>                 | 778                                  | 1016                   | NA                                 | NA                        |
| <u>GRID P40-4Q</u>                                     | 777                                  | 1017                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 7700M Dual</u>                 | 777                                  | 1019                   | NA                                 | NA                        |
| <u>Radeon R7 A10-7890K</u>                             | 777                                  | 1018                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7500M/7600M Dual</u>              | 775                                  | 1020                   | NA                                 | NA                        |
| <u>GeForce GT 340</u>                                  | 774                                  | 1021                   | <a href="#">14.62</a>              | <a href="#">\$52.99*</a>  |
| <u>Mobility Radeon HD 5000</u>                         | 773                                  | 1024                   | NA                                 | NA                        |
| <u>Radeon HD 7600M + 7600M Dual</u>                    | 773                                  | 1022                   | NA                                 | NA                        |
| <u>Radeon HD 8650G N HD 8650G + HD 8570M Dual</u>      | 773                                  | 1023                   | NA                                 | NA                        |
| <u>Radeon R7 A10-8850</u>                              | 773                                  | 1025                   | NA                                 | NA                        |
| <u>GeForce GT 440</u>                                  | 771                                  | 1026                   | <a href="#">3.43</a>               | <a href="#">\$225.00*</a> |
| <u>Radeon R5 PRO A6-9500E 2C+4G</u>                    | 770                                  | 1027                   | NA                                 | NA                        |

| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 730A</u>                               | 769                                  | 1030                   | NA                                 | NA                        |
| <u>GeForce 9800 GTX</u>                           | 769                                  | 1031                   | <a href="#">10.26</a>              | <a href="#">\$74.99*</a>  |
| <u>Quadro K420</u>                                | 769                                  | 1028                   | <a href="#">2.86</a>               | <a href="#">\$269.00*</a> |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon HD 4810</u>                             | 769                                  | 1029                   | NA                                 | NA                        |
| <u>Intel Iris 5100</u>                            | 768                                  | 1032                   | NA                                 | NA                        |
| <u>Quadro 2000M</u>                               | 766                                  | 1034                   | <a href="#">3.34</a>               | <a href="#">\$229.74*</a> |
| <u>Radeon R5 A6-7480</u>                          | 766                                  | 1033                   | NA                                 | NA                        |
| <u>Radeon R7 M270</u>                             | 765                                  | 1035                   | NA                                 | NA                        |
| <u>Radeon R7 M365X</u>                            | 765                                  | 1036                   | NA                                 | NA                        |
| <u>Intel UHD Graphics 615</u>                     | 763                                  | 1039                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 5850</u>                    | 763                                  | 1038                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8600/8700M Dual</u>       | 763                                  | 1037                   | NA                                 | NA                        |
| <u>Quadro K600</u>                                | 762                                  | 1040                   | <a href="#">12.66</a>              | <a href="#">\$60.24*</a>  |
| <u>Radeon HD 6450 + 8470D Dual</u>                | 762                                  | 1041                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 7500/7600 Dual</u>        | 760                                  | 1042                   | NA                                 | NA                        |
| <u>Radeon HD 6650M</u>                            | 759                                  | 1043                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 8500M Dual</u>            | 758                                  | 1044                   | NA                                 | NA                        |
| <u>Radeon R7 A12-9720P RADEON</u>                 | 758                                  | 1045                   | <a href="#">2.07</a>               | <a href="#">\$365.48*</a> |
| <u>Radeon HD 7660G + 7700M Dual</u>               | 757                                  | 1050                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8600M N HD 8600M Dual</u> | 757                                  | 1048                   | NA                                 | NA                        |
| <u>Radeon R7 A8-7680</u>                          | 757                                  | 1049                   | NA                                 | NA                        |
| <u>Radeon R7 PRO A10-8750B</u>                    | 757                                  | 1047                   | NA                                 | NA                        |
| <u>Radeon R7 PRO A10-9700B</u>                    | 757                                  | 1046                   | NA                                 | NA                        |
| <u>Quadro 1100M</u>                               | 755                                  | 1051                   | NA                                 | NA                        |
| <u>Radeon R7 PRO A8-8650B</u>                     | 755                                  | 1052                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7450M Dual</u>               | 754                                  | 1053                   | NA                                 | NA                        |
| <u>Radeon HD 8570D + HD 7000 Dual</u>             | 753                                  | 1054                   | NA                                 | NA                        |
| <u>Incredible HD 4600</u>                         | 749                                  | 1055                   | NA                                 | NA                        |
| <u>Radeon M535DX</u>                              | 749                                  | 1056                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7650M Dual</u>               | 747                                  | 1057                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 8600/8700M Dual</u>       | 747                                  | 1058                   | NA                                 | NA                        |
| <u>Radeon HD 8670D + R5 330 Dual</u>              | 746                                  | 1059                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + 7610M Dual</u>               | 745                                  | 1060                   | NA                                 | NA                        |
| <u>Radeon HD 6670</u>                             | 743                                  | 1062                   | <a href="#">10.78</a>              | <a href="#">\$68.99*</a>  |
| <u>Radeon HD 7660G + 7670M Dual</u>               | 743                                  | 1063                   | NA                                 | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Radeon R5 235 + HD 7560D Dual</a>                      | 743                                     | 1061                      | NA                                    | NA                        |
| <a href="#">GeForce GT 730A</a>                                    | 742                                     | 1064                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + 7600M Dual</a>                       | 741                                     | 1065                      | NA                                    | NA                        |
| <a href="#">Radeon R7 FX-9800P RADEON</a>                          | 740                                     | 1066                      | <a href="#">1.40</a>                  | <a href="#">\$530.00*</a> |
| <a href="#">Intel Poison Ivy</a>                                   | 738                                     | 1067                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7670M + 7670M Dual</a>                       | 738                                     | 1068                      | NA                                    | NA                        |
| <a href="#">Radeon R5 235 + HD 8570D Dual</a>                      | 737                                     | 1069                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9620P 4C+6G</a>                          | 731                                     | 1070                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7550M/7650M</a>                              | 728                                     | 1071                      | NA                                    | NA                        |
| <a href="#">GeForce 920M</a>                                       | 727                                     | 1074                      | NA                                    | NA                        |
| <a href="#">GRID K140Q</a>   | 727                                     | 1073                      | NA                                    | NA                        |
| <a href="#">Intel UHD Graphics 610</a>                             | 727                                     | 1072                      | NA                                    | NA                        |
| <a href="#">Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C</a> | 724                                     | 1075                      | NA                                    | NA                        |
| <a href="#">Intel HD 615</a>                                       | 723                                     | 1076                      | NA                                    | NA                        |
| <a href="#">NVS 510</a>  | 723                                     | 1077                      | <a href="#">2.83</a>                  | <a href="#">\$255.53*</a> |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D</a> | 722                                     | 1078                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + R5 M200 Dual</a>                     | 722                                     | 1079                      | NA                                    | NA                        |
| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Asus GTX 650 FML II EC-EGPU</a>                        | 720                                     | 1080                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon HD 4870</a>                            | 719                                     | 1081                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7540D + 6570 Dual</a>                        | 719                                     | 1082                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8670D + HD 7000 Dual</a>                     | 718                                     | 1083                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8470D + 6450 Dual</a>                        | 717                                     | 1084                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8650G + HD 8570M Dual</a>                    | 716                                     | 1085                      | NA                                    | NA                        |
| <a href="#">Radeon R7 A12-9700P RADEON</a>                         | 714                                     | 1086                      | <a href="#">1.64</a>                  | <a href="#">\$435.92*</a> |
| <a href="#">Quadro K610M</a>                                       | 713                                     | 1087                      | <a href="#">2.97</a>                  | <a href="#">\$240.00*</a> |
| <a href="#">Radeon R7 A8-7650K</a>                                 | 713                                     | 1088                      | NA                                    | NA                        |
| <a href="#">Intel HD 5600</a>                                      | 712                                     | 1089                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 8670M Dual</a>                    | 711                                     | 1090                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3870 X2</a>                                  | 708                                     | 1091                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6550A</a>                                    | 707                                     | 1093                      | NA                                    | NA                        |
| <a href="#">Radeon R7 PRO A12-9800B</a>                            | 707                                     | 1092                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G + HD 7670M Dual</a>                    | 706                                     | 1094                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + 7600M Dual</a>                       | 705                                     | 1095                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7640G + HD 7600M Dual</a>                    | 704                                     | 1097                      | NA                                    | NA                        |
| <a href="#">Radeon HD 7660G N HD 7660G + HD 7670M Dual</a>         | 704                                     | 1096                      | NA                                    | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon HD 7570M/HD 7670M</u>                           | 699                                  | 1100                   | NA                                 | NA                        |
| <u>Radeon HD 7730M</u>                                    | 699                                  | 1099                   | NA                                 | NA                        |
| <u>TRINITY DEVASTATOR MOBILE</u>                          | 699                                  | 1098                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A10-8730B 4C+6G</u>                      | 695                                  | 1101                   | NA                                 | NA                        |
| <u>Radeon R7 A10-7800</u>                                 | 694                                  | 1102                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A6-9500B 2C+4G</u>                       | 693                                  | 1103                   | NA                                 | NA                        |
| <u>GRID K1</u>  | 690                                  | 1105                   | <a href="#">1.75</a>               | <a href="#">\$395.00*</a> |
| <u>Radeon HD 7640G + 7700M Dual</u>                       | 690                                  | 1104                   | NA                                 | NA                        |
| <u>GeForce GT 630</u>                                     | 689                                  | 1106                   | <a href="#">4.69</a>               | <a href="#">\$147.01*</a> |
| <u>Radeon R5 PRO A6-8530B 2C+4G</u>                       | 689                                  | 1107                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 8600/8700M Dual</u>                  | 688                                  | 1108                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + R5 M230 Dual</u>                     | 686                                  | 1109                   | NA                                 | NA                        |
| <u>Radeon HD 8550D</u>                                    | 685                                  | 1110                   | NA                                 | NA                        |
| <u>GeForce GT 530</u>                                     | 684                                  | 1112                   | <a href="#">13.96</a>              | <a href="#">\$49.00*</a>  |
| <u>Radeon HD 6630M</u>                                    | 684                                  | 1111                   | NA                                 | NA                        |
| <u>GRID P40-3Q</u>  | 681                                  | 1113                   | NA                                 | NA                        |
| <u>Radeon HD 7640G N HD 7640G + HD 7670M Dual</u>         | 679                                  | 1115                   | NA                                 | NA                        |
| <u>Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D</u> | 679                                  | 1114                   | NA                                 | NA                        |
| <u>GeForce GTS 160M</u>                                   | 678                                  | 1116                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 8670M Dual</u>                    | 677                                  | 1117                   | NA                                 | NA                        |
| <u>Quadro FX 4700 X2</u>                                  | 676                                  | 1120                   | NA                                 | NA                        |
| <u>Radeon HD 8610G + R5 M200 Dual</u>                     | 676                                  | 1119                   | NA                                 | NA                        |
| <u>Radeon R7 A360</u>                                     | 676                                  | 1118                   | NA                                 | NA                        |
| <u>GeForce GTX 285M</u>                                   | 675                                  | 1121                   | NA                                 | NA                        |
| <u>GeForce GT 640M LE</u>                                 | 673                                  | 1122                   | <a href="#">0.79</a>               | <a href="#">\$849.99*</a> |
| <u>Radeon HD 8730M</u>                                    | 673                                  | 1123                   | NA                                 | NA                        |
| <u>Radeon R8 M535DX</u>                                   | 670                                  | 1124                   | NA                                 | NA                        |
| <u>GeForce GT 555M</u>                                    | 667                                  | 1125                   | <a href="#">3.77</a>               | <a href="#">\$177.20*</a> |
| <u>GeForce GT 740A</u>                                    | 667                                  | 1126                   | NA                                 | NA                        |
| <u>Intel HD 610</u>                                       | 666                                  | 1127                   | NA                                 | NA                        |
| <u>FirePro M7740</u>                                      | 665                                  | 1129                   | NA                                 | NA                        |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon HD 7640G + HD 8500M N HD 8500M Dual</u>         | 665                                  | 1128                   | NA                                 | NA                        |
| <u>GeForce GTS 360M</u>                                   | 664                                  | 1131                   | NA                                 | NA                        |
| <u>Quadro 500M</u>  | 664                                  | 1132                   | <a href="#">2.41</a>               | <a href="#">\$275.14*</a> |
| <u>Radeon HD 8550G + 8690M Dual</u>                       | 664                                  | 1130                   | NA                                 | NA                        |



| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 720A</u>                                       | 662                                  | 1133                   | NA                                 | NA                        |
| <u>FireGL V7700</u>                                       | 660                                  | 1136                   | <a href="#">9.43</a>               | <a href="#">\$69.99*</a>  |
| <u>FirePro V3900</u>                                      | 660                                  | 1134                   | <a href="#">2.77</a>               | <a href="#">\$238.44*</a> |
| <u>Radeon HD 5600/5700</u>                                | 660                                  | 1135                   | NA                                 | NA                        |
| <u>Radeon HD 2900 XT</u>                                  | 659                                  | 1137                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A8-9600B 4C+6G</u>                       | 658                                  | 1138                   | NA                                 | NA                        |
| <u>GeForce GT 140</u>                                     | 657                                  | 1139                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 8750M Dual</u>                       | 654                                  | 1140                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + HD 8600/8700M Dual</u>               | 654                                  | 1141                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + 8570M Dual</u>                       | 654                                  | 1142                   | NA                                 | NA                        |
| <u>Professional HD Driver</u>                             | 653                                  | 1144                   | NA                                 | NA                        |
| <u>Radeon R7 M340</u>                                     | 653                                  | 1143                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + HD 8750M Dual</u>                    | 651                                  | 1145                   | NA                                 | NA                        |
| <u>SUMO 9640</u>  | 650                                  | 1146                   | NA                                 | NA                        |
| <u>Radeon R5 M430</u>                                     | 648                                  | 1147                   | NA                                 | NA                        |
| <u>FireStream 9170</u>                                    | 647                                  | 1148                   | NA                                 | NA                        |
| <u>Radeon HD 6670 + 6670 Dual</u>                         | 646                                  | 1149                   | NA                                 | NA                        |
| <u>Radeon HD 8610G + HD 8500M Dual</u>                    | 645                                  | 1150                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7670M Dual</u>                       | 644                                  | 1151                   | NA                                 | NA                        |
| <u>Radeon HD 7540D + HD 6450 Dual</u>                     | 643                                  | 1153                   | NA                                 | NA                        |
| <u>Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G</u>  | 643                                  | 1152                   | NA                                 | NA                        |
| <u>GeForce 8800 Ultra</u>                                 | 642                                  | 1154                   | NA                                 | NA                        |
| <u>Radeon R6</u>  | 640                                  | 1155                   | NA                                 | NA                        |
| <u>Intel HD P4600/P4700</u>                               | 639                                  | 1156                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7400M Dual</u>                       | 637                                  | 1158                   | NA                                 | NA                        |
| <u>Radeon HD 8450G + 8750M Dual</u>                       | 637                                  | 1159                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A6-8570E 2C+4G</u>                       | 637                                  | 1157                   | NA                                 | NA                        |
| <u>GeForce 9800 S</u>                                     | 635                                  | 1160                   | NA                                 | NA                        |
| <u>GeForce GT 710</u>                                     | 635                                  | 1161                   | <a href="#">6.17</a>               | <a href="#">\$102.99*</a> |
| <u>Radeon HD 8650G + 8670M Dual</u>                       | 635                                  | 1162                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 7670M Dual</u>                    | 634                                  | 1163                   | NA                                 | NA                        |
| <u>Radeon HD 7660D + HD 7000 Dual</u>                     | 633                                  | 1164                   | NA                                 | NA                        |
| <u>Radeon HD 7610M</u>                                    | 632                                  | 1165                   | NA                                 | NA                        |
| <u>Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C</u> | 632                                  | 1166                   | NA                                 | NA                        |
| <u>Intel HD 4600</u>                                      | 631                                  | 1167                   | NA                                 | NA                        |
| <u>Quadro FX 3800M</u>                                    | 631                                  | 1168                   | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>NVS 5400M</u>  | 630                                  | 1171                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 7700M N HD 7700M Dual</u>         | 630                                  | 1169                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + 7470M Dual</u>                       | 630                                  | 1170                   | NA                                 | NA                        |
| <u>Radeon HD 8510G + HD 8500M Dual</u>                    | 629                                  | 1172                   | NA                                 | NA                        |
| <u>GRID K160Q</u>   | 628                                  | 1173                   | NA                                 | NA                        |
| <u>Radeon HD 2900 PRO</u>                                 | 627                                  | 1174                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7500/7600 Dual</u>                   | 627                                  | 1175                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + 8500M Dual</u>                       | 626                                  | 1176                   | NA                                 | NA                        |
| <u>Radeon R5 A6-8500P</u>                                 | 626                                  | 1177                   | NA                                 | NA                        |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Intel HD 515</u>                                       | 624                                  | 1178                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + HD 8600/8700M Dual</u>               | 623                                  | 1179                   | NA                                 | NA                        |
| <u>GeForce 810A</u>                                       | 622                                  | 1180                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 7400M Dual</u>                    | 621                                  | 1181                   | NA                                 | NA                        |
| <u>Radeon HD 8570 + 8670D Dual</u>                        | 620                                  | 1182                   | NA                                 | NA                        |
| <u>Intel HD 510</u>                                       | 619                                  | 1183                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + R5 M200 Dual</u>                     | 619                                  | 1184                   | NA                                 | NA                        |
| <u>Radeon R5 A10-9600P 4C+6G</u>                          | 619                                  | 1185                   | NA                                 | NA                        |
| <u>GeForce GTS 250</u>                                    | 618                                  | 1186                   | <a href="#">8.83</a>               | <a href="#">\$69.99*</a>  |
| <u>Radeon HD 8550G + 8600M Dual</u>                       | 617                                  | 1188                   | NA                                 | NA                        |
| <u>Radeon R7 A8 PRO-7600B</u>                             | 617                                  | 1187                   | NA                                 | NA                        |
| <u>Radeon HD 7500G + 7500M/7600M Dual</u>                 | 616                                  | 1189                   | NA                                 | NA                        |
| <u>FireGL V7600</u>                                       | 615                                  | 1191                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + HD 7600M Dual</u>                    | 615                                  | 1190                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + 8600M Dual</u>                       | 613                                  | 1192                   | NA                                 | NA                        |
| <u>Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D</u> | 611                                  | 1193                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G</u> | 611                                  | 1194                   | NA                                 | NA                        |
| <u>7900 MOD - Radeon HD 6520G</u>                         | 610                                  | 1196                   | NA                                 | NA                        |
| <u>GeForce GT 720</u>                                     | 610                                  | 1195                   | <a href="#">6.11</a>               | <a href="#">\$99.99*</a>  |
| <u>Quadro K510M</u>                                       | 610                                  | 1197                   | NA                                 | NA                        |
| <u>Radeon HD 8610G + 8500M Dual</u>                       | 610                                  | 1198                   | NA                                 | NA                        |
| <u>Radeon HD 7570</u>                                     | 608                                  | 1199                   | <a href="#">5.94</a>               | <a href="#">\$102.49*</a> |
| <u>Radeon HD 7640G + HD 8500M Dual</u>                    | 607                                  | 1200                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8600M Dual</u>                    | 606                                  | 1201                   | NA                                 | NA                        |
| <u>Radeon R5 A6-9400 RADEON R5, 6 COMPUTE CORES 2C+4G</u> | 605                                  | 1202                   | NA                                 | NA                        |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 9800 GTX/9800 GTX+</u>                        | 604                                  | 1204                   | <a href="#">6.72</a>               | <a href="#">\$89.99*</a>  |
| <u>Intel HD P4600</u>                                    | 604                                  | 1203                   | NA                                 | NA                        |
| <u>Matrox C420 LP PCIe x16</u>                           | 602                                  | 1206                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + 8500M Dual</u>                      | 602                                  | 1207                   | NA                                 | NA                        |
| <u>Radeon R7 PRO A12-8830B</u>                           | 602                                  | 1205                   | NA                                 | NA                        |
| <u>GeForce GT 720A</u>                                   | 600                                  | 1208                   | NA                                 | NA                        |
| <u>Radeon HD 8610G + 8670M Dual</u>                      | 599                                  | 1209                   | NA                                 | NA                        |
| <u>Radeon R8 M365DX</u>                                  | 599                                  | 1210                   | NA                                 | NA                        |
| <u>GeForce 8800 GTS 512</u>                              | 597                                  | 1213                   | NA                                 | NA                        |
| <u>GeForce 8800 GTX</u>                                  | 597                                  | 1212                   | <a href="#">4.98</a>               | <a href="#">\$119.99*</a> |
| <u>Radeon R7 PRO A12-8800B</u>                           | 597                                  | 1211                   | NA                                 | NA                        |
| <u>Radeon HD 8510G + 8500M Dual</u>                      | 596                                  | 1214                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7470M Dual</u>                      | 595                                  | 1216                   | NA                                 | NA                        |
| <u>Radeon R5 M330</u>                                    | 595                                  | 1215                   | NA                                 | NA                        |
| <u>GeForce GT 430</u>                                    | 593                                  | 1217                   | <a href="#">4.24</a>               | <a href="#">\$139.99*</a> |
| <u>Radeon HD 8550G + HD 8600M Dual</u>                   | 593                                  | 1218                   | NA                                 | NA                        |
| <u>GeForce GT 820M</u>                                   | 592                                  | 1220                   | NA                                 | NA                        |
| <u>GeForce GTS 240</u>                                   | 592                                  | 1219                   | <a href="#">9.12</a>               | <a href="#">\$64.99*</a>  |
| <u>Radeon HD 7520G + 7600M Dual</u>                      | 591                                  | 1221                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G</u> | 590                                  | 1222                   | NA                                 | NA                        |
| <u>GeForce GT 735M</u>                                   | 589                                  | 1223                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 7700M Dual</u>                   | 589                                  | 1224                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + 7610M Dual</u>                      | 588                                  | 1226                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + 7400M Dual</u>                      | 588                                  | 1227                   | NA                                 | NA                        |
| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon HD 8610G + 8600M Dual</u>                      | 588                                  | 1225                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + 8670M Dual</u>                      | 587                                  | 1228                   | NA                                 | NA                        |
| <u>GeForce GTX 280M</u>                                  | 586                                  | 1230                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 8600/8700M Dual</u>              | 586                                  | 1229                   | NA                                 | NA                        |
| <u>GeForce GT 550M</u>                                   | 585                                  | 1232                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 8500M Dual</u>                      | 585                                  | 1231                   | NA                                 | NA                        |
| <u>Radeon HD 8650G + HD 8670M Dual</u>                   | 585                                  | 1233                   | NA                                 | NA                        |
| <u>Quadro 1000M</u>                                      | 584                                  | 1234                   | <a href="#">10.72</a>              | <a href="#">\$54.50*</a>  |
| <u>Intel HD 5500</u>                                     | 582                                  | 1235                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + 7500/7600 Dual</u>                  | 582                                  | 1236                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + 8670M Dual</u>                      | 579                                  | 1237                   | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                      |
|---|--------------------------------------|------------------------|------------------------------------|----------------------------------|
| <a href="#"><u>GeForce 910M</u></a>                                       | 578                                  | 1238                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8450G + R5 M230 Dual</u></a>                     | 578                                  | 1239                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7620G + 8670M Dual</u></a>                       | 577                                  | 1241                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8610G + HD 8670M Dual</u></a>                    | 577                                  | 1240                   | NA                                 | NA                               |
| <a href="#"><u>Intel Skylake HD DT GT2</u></a>                            | 576                                  | 1242                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R5 A240</u></a>                                     | 576                                  | 1243                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7520G + HD 7700M Dual</u></a>                    | 574                                  | 1244                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/760</u></a> | 574                                  | 1246                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8450G + HD 8670M Dual</u></a>                    | 574                                  | 1247                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R5 420</u></a>                                      | 574                                  | 1245                   | <a href="#"><u>14.39</u></a>       | <a href="#"><u>\$39.95*</u></a>  |
| <a href="#"><u>Intel HD 5000</u></a>                                      | 572                                  | 1248                   | <a href="#"><u>0.92</u></a>        | <a href="#"><u>\$625.00*</u></a> |
| <a href="#"><u>Radeon HD 7650A</u></a>                                    | 572                                  | 1250                   | <a href="#"><u>2.18</u></a>        | <a href="#"><u>\$262.00*</u></a> |
| <a href="#"><u>Radeon R6 M255DX</u></a>                                   | 572                                  | 1249                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 3870</u></a>                                     | 571                                  | 1251                   | <a href="#"><u>8.17</u></a>        | <a href="#"><u>\$69.99*</u></a>  |
| <a href="#"><u>Radeon R6 + R7 M265DX Dual</u></a>                         | 570                                  | 1252                   | NA                                 | NA                               |
| <a href="#"><u>GeForce GTS 250M</u></a>                                   | 569                                  | 1253                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 820A</u></a>                                       | 568                                  | 1255                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7560D + 6450 Dual</u></a>                        | 568                                  | 1254                   | NA                                 | NA                               |
| <a href="#"><u>GeForce GT 635M</u></a>                                    | 565                                  | 1257                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 6610M</u></a>                                    | 565                                  | 1256                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R7E</u></a>   | 564                                  | 1258                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7560D + R5 235 Dual</u></a>                      | 563                                  | 1259                   | NA                                 | NA                               |
| <a href="#"><u>Quadro FX 5600</u></a>                                     | 561                                  | 1261                   | <a href="#"><u>1.90</u></a>        | <a href="#"><u>\$295.00*</u></a> |
| <a href="#"><u>Radeon R7 A10 PRO-7800B</u></a>                            | 561                                  | 1260                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7640G + R5 M200 Dual</u></a>                     | 559                                  | 1262                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7640G + 8570M Dual</u></a>                       | 558                                  | 1265                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7640G + 8670M Dual</u></a>                       | 558                                  | 1264                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8550G + HD 8500M Dual</u></a>                    | 558                                  | 1263                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R7 M360</u></a>                                     | 557                                  | 1266                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7600G + HD 7500M/7600M Dual</u></a>              | 555                                  | 1267                   | NA                                 | NA                               |
| <a href="#"><u>GF117</u></a>  | 554                                  | 1268                   | NA                                 | NA                               |
| <a href="#"><u>Qualcomm Adreno 680 GPU</u></a>                            | 553                                  | 1269                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 615</u></a>  | 551                                  | 1270                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R7 7850A10-7850K</u></a>                            | 551                                  | 1271                   | NA                                 | NA                               |
| <a href="#"><u>FireGL V8650</u></a>                                       | 550                                  | 1272                   | <a href="#"><u>1.84</u></a>        | <a href="#"><u>\$298.99*</u></a> |
| <a href="#"><u>Radeon R5 M335</u></a>                                     | 548                                  | 1273                   | NA                                 | NA                               |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon R7 M265</u>                                     | 548                                  | 1274                   | NA                                 | NA                        |
| <u>GeForce GT 630M</u>                                    | 547                                  | 1276                   | NA                                 | NA                        |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Mobility Radeon HD 3870</u>                            | 547                                  | 1275                   | NA                                 | NA                        |
| <u>FirePro 3D V5700</u>                                   | 546                                  | 1277                   | <a href="#">1.71</a>               | <a href="#">\$319.99*</a> |
| <u>Radeon HD 8550G + HD 8670M Dual</u>                    | 546                                  | 1278                   | NA                                 | NA                        |
| <u>FirePro 3D V7750</u>                                   | 545                                  | 1281                   | <a href="#">1.56</a>               | <a href="#">\$350.00*</a> |
| <u>Quadro 600</u>   | 545                                  | 1279                   | <a href="#">7.18</a>               | <a href="#">\$76.00*</a>  |
| <u>Radeon HD 8450G + 8600M Dual</u>                       | 545                                  | 1280                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 5570</u>                            | 544                                  | 1283                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + HD 7400M Dual</u>                    | 544                                  | 1282                   | NA                                 | NA                        |
| <u>GeForce GT 240</u>                                     | 543                                  | 1285                   | <a href="#">3.38</a>               | <a href="#">\$160.97*</a> |
| <u>Quadro FX 2700</u>                                     | 543                                  | 1286                   | NA                                 | NA                        |
| <u>Radeon HD 7600G + HD 8670M Dual</u>                    | 543                                  | 1284                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + 7470M Dual</u>                       | 542                                  | 1287                   | NA                                 | NA                        |
| <u>Radeon HD 8670D</u>                                    | 540                                  | 1288                   | NA                                 | NA                        |
| <u>Qualcomm Adreno 675 GPU</u>                            | 539                                  | 1289                   | NA                                 | NA                        |
| <u>KV SPECTRE LITE MOBILE 25W</u>                         | 538                                  | 1290                   | NA                                 | NA                        |
| <u>Radeon R6 PRO A10-8700B 4C+6G</u>                      | 538                                  | 1291                   | NA                                 | NA                        |
| <u>Radeon HD 7560D + HD 7000 Dual</u>                     | 534                                  | 1292                   | NA                                 | NA                        |
| <u>GRID K180Q</u>   | 533                                  | 1293                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + 8570M Dual</u>                       | 532                                  | 1294                   | NA                                 | NA                        |
| <u>Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G</u> | 532                                  | 1295                   | NA                                 | NA                        |
| <u>RADEON HD6530D</u>                                     | 531                                  | 1297                   | NA                                 | NA                        |
| <u>Radeon R6 PRO A8-8600B 4C+6G</u>                       | 531                                  | 1296                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + HD 8570M Dual</u>                    | 529                                  | 1299                   | NA                                 | NA                        |
| <u>Radeon R6 A10-8700P</u>                                | 529                                  | 1298                   | NA                                 | NA                        |
| <u>Radeon HD 7600G N HD 7600G + HD ON HD Dual</u>         | 526                                  | 1301                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 6400M Dual</u>                       | 526                                  | 1300                   | NA                                 | NA                        |
| <u>Radeon HD 8650D</u>                                    | 525                                  | 1302                   | NA                                 | NA                        |
| <u>NVS 5200M</u>  | 523                                  | 1305                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + 7670M Dual</u>                       | 523                                  | 1304                   | NA                                 | NA                        |
| <u>Radeon HD 7660D + R5 235 Dual</u>                      | 523                                  | 1303                   | NA                                 | NA                        |
| <u>Intel HD 4400</u>                                      | 521                                  | 1306                   | NA                                 | NA                        |
| <u>Radeon HD 8670M</u>                                    | 520                                  | 1307                   | NA                                 | NA                        |
| <u>Radeon R5 240</u>                                      | 520                                  | 1308                   | <a href="#">6.12</a>               | <a href="#">\$85.00*</a>  |

| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce GT 435M</u>                            | 519                                  | 1309                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 7670M Dual</u>            | 518                                  | 1310                   | NA                                 | NA                        |
| <u>Incredible HD 4000</u>                         | 517                                  | 1312                   | NA                                 | NA                        |
| <u>Radeon R5 M255</u>                             | 517                                  | 1311                   | NA                                 | NA                        |
| <u>GeForce 8800 GT</u>                            | 516                                  | 1313                   | <a href="#">7.38</a>               | <a href="#">\$69.99*</a>  |
| <u>Intel HD P4000</u>                             | 516                                  | 1314                   | NA                                 | NA                        |
| <u>GeForce GT 425M</u>                            | 515                                  | 1315                   | NA                                 | NA                        |
| <u>A10-8700P</u>                                  | 513                                  | 1316                   | NA                                 | NA                        |
| <u>Radeon R5 330</u>                              | 513                                  | 1317                   | <a href="#">1.51</a>               | <a href="#">\$339.99*</a> |
| <u>Mobility Radeon HD 4830</u>                    | 511                                  | 1318                   | NA                                 | NA                        |
| <u>GeForce 9800 GTX+</u>                          | 510                                  | 1320                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + 7610M Dual</u>               | 510                                  | 1319                   | NA                                 | NA                        |
| <u>Radeon HD 7600G + HD 7550M Dual</u>            | 509                                  | 1321                   | NA                                 | NA                        |
| <u>GeForce 820M</u>                               | 508                                  | 1323                   | NA                                 | NA                        |
| <u>Radeon HD 7620G + 8600M Dual</u>               | 508                                  | 1322                   | NA                                 | NA                        |
| <u>Radeon R5 PRO A6-8500B 2C+4G</u>               | 508                                  | 1324                   | NA                                 | NA                        |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon HD 7620G + HD 8670M Dual</u>            | 507                                  | 1325                   | NA                                 | NA                        |
| <u>Radeon HD 7660D</u>                            | 506                                  | 1326                   | NA                                 | NA                        |
| <u>GeForce GTS 150M</u>                           | 504                                  | 1327                   | NA                                 | NA                        |
| <u>Radeon 6600M</u>                               | 503                                  | 1330                   | NA                                 | NA                        |
| <u>Radeon HD 6570</u>                             | 503                                  | 1328                   | <a href="#">7.90</a>               | <a href="#">\$63.81*</a>  |
| <u>Radeon HD 8450G + HD 8750M Dual</u>            | 503                                  | 1329                   | NA                                 | NA                        |
| <u>GeForce 9600 GT</u>                            | 502                                  | 1331                   | <a href="#">7.74</a>               | <a href="#">\$64.99*</a>  |
| <u>Radeon R7 M265DX</u>                           | 498                                  | 1332                   | NA                                 | NA                        |
| <u>TRINITY SCRAPPER MOBILE</u>                    | 498                                  | 1333                   | NA                                 | NA                        |
| <u>Radeon HD 7500G + 7550M Dual</u>               | 497                                  | 1335                   | NA                                 | NA                        |
| <u>SUMO 964A</u>                                  | 497                                  | 1334                   | NA                                 | NA                        |
| <u>ASUS EAH4870x2</u>                             | 496                                  | 1336                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + HD 7670M Dual</u>            | 495                                  | 1337                   | NA                                 | NA                        |
| <u>GeForce GT625M</u>                             | 493                                  | 1338                   | NA                                 | NA                        |
| <u>GeForce GT 540M</u>                            | 490                                  | 1339                   | <a href="#">5.58</a>               | <a href="#">\$87.95*</a>  |
| <u>Mobility Radeon HD 5730</u>                    | 490                                  | 1340                   | NA                                 | NA                        |
| <u>Radeon HD8530M</u>                             | 490                                  | 1341                   | NA                                 | NA                        |
| <u>Radeon HD 8670D N HD 8670D + HD 8670D Dual</u> | 488                                  | 1342                   | NA                                 | NA                        |
| <u>Radeon HD 8550G + R5 M230 Dual</u>             | 487                                  | 1343                   | NA                                 | NA                        |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">Radeon R4E</a>                         | 487                                  | 1344                   | NA                                 | NA                        |
| <a href="#">GeForce 710A</a>                       | 486                                  | 1346                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7520G + 7400M Dual</a>       | 486                                  | 1345                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7670M</a>                    | 483                                  | 1347                   | <a href="#">0.77</a>               | <a href="#">\$629.99*</a> |
| <a href="#">Radeon HD 8610G + HD 8600M Dual</a>    | 480                                  | 1348                   | NA                                 | NA                        |
| <a href="#">Radeon HD 8650G</a>                    | 480                                  | 1349                   | NA                                 | NA                        |
| <a href="#">GeForce 9800 GT</a>                    | 479                                  | 1350                   | <a href="#">6.40</a>               | <a href="#">\$74.99*</a>  |
| <a href="#">Mobility Radeon HD 5000 Serisi</a>     | 478                                  | 1351                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 3870 X2</a>         | 477                                  | 1352                   | NA                                 | NA                        |
| <a href="#">Quadro FX 3700M</a>                    | 477                                  | 1353                   | <a href="#">0.52</a>               | <a href="#">\$925.00*</a> |
| <a href="#">Radeon HD 7640G + HD 8570M Dual</a>    | 474                                  | 1356                   | NA                                 | NA                        |
| <a href="#">Radeon HD 8450G + 8670M Dual</a>       | 474                                  | 1355                   | NA                                 | NA                        |
| <a href="#">Radeon R6 A8-8600P</a>                 | 474                                  | 1354                   | NA                                 | NA                        |
| <a href="#">FirePro 3D V3800</a>                   | 472                                  | 1357                   | <a href="#">3.15</a>               | <a href="#">\$149.99*</a> |
| <a href="#">Radeon HD 5570</a>                     | 470                                  | 1360                   | <a href="#">2.48</a>               | <a href="#">\$189.99</a>  |
| <a href="#">Radeon HD 7660G</a>                    | 470                                  | 1358                   | NA                                 | NA                        |
| <a href="#">Radeon HD 8570D + R5 235 Dual</a>      | 470                                  | 1359                   | NA                                 | NA                        |
| <a href="#">Radeon R5 M420</a>                     | 470                                  | 1361                   | NA                                 | NA                        |
| <a href="#">Radeon Vega 2</a>                      | 470                                  | 1362                   | NA                                 | NA                        |
| <a href="#">Quadro FX 1800M</a>                    | 469                                  | 1366                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7560D</a>                    | 469                                  | 1363                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7600G + 8500M/8700M Dual</a> | 469                                  | 1364                   | NA                                 | NA                        |
| <a href="#">Radeon HD 8690A</a>                    | 469                                  | 1365                   | NA                                 | NA                        |
| <a href="#">GeForce 800M</a>                       | 468                                  | 1367                   | NA                                 | NA                        |
| <a href="#">Quadro FX 3600M</a>                    | 466                                  | 1368                   | NA                                 | NA                        |
| <a href="#">GeForce GT 525M</a>                    | 465                                  | 1369                   | NA                                 | NA                        |
| <a href="#">Radeon HD 7660D + 7470 Dual</a>        | 465                                  | 1371                   | NA                                 | NA                        |
| <a href="#">SUMO 9644</a>                          | 465                                  | 1370                   | NA                                 | NA                        |
| <a href="#">FirePro V5700</a>                      | 464                                  | 1373                   | <a href="#">2.47</a>               | <a href="#">\$188.06*</a> |
| <a href="#">Radeon HD 7550M</a>                    | 464                                  | 1372                   | NA                                 | NA                        |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <a href="#">GeForce GT 720M</a>                    | 463                                  | 1374                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 4670</a>            | 463                                  | 1375                   | NA                                 | NA                        |
| <a href="#">GeForce 8800M GTX</a>                  | 462                                  | 1376                   | NA                                 | NA                        |
| <a href="#">GeForce 9800M GTX</a>                  | 461                                  | 1377                   | <a href="#">1.41</a>               | <a href="#">\$328.50*</a> |
| <a href="#">GeForce 9800M GS</a>                   | 460                                  | 1378                   | NA                                 | NA                        |



| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon HD 7660G + HD 7600M N HD 7600M Dual</u>         | 460                                  | 1379                   | NA                                 | NA                        |
| <u>Radeon R5 M315</u>                                     | 459                                  | 1380                   | NA                                 | NA                        |
| <u>GeForce 705M</u>                                       | 455                                  | 1381                   | NA                                 | NA                        |
| <u>GeForce GT 625M</u>                                    | 455                                  | 1382                   | NA                                 | NA                        |
| <u>GeForce GT 320</u>                                     | 454                                  | 1383                   | <a href="#">13.90</a>              | <a href="#">\$32.69*</a>  |
| <u>Radeon HD 7520G + 7650M Dual</u>                       | 453                                  | 1385                   | NA                                 | NA                        |
| <u>Radeon R7 M260</u>                                     | 453                                  | 1384                   | <a href="#">0.57</a>               | <a href="#">\$799.00*</a> |
| <u>HIS DIGITAL HD 4650 AGP</u>                            | 452                                  | 1388                   | NA                                 | NA                        |
| <u>Intel HD Family</u>                                    | 452                                  | 1386                   | NA                                 | NA                        |
| <u>Radeon HD 8450G + HD 8600M Dual</u>                    | 452                                  | 1387                   | NA                                 | NA                        |
| <u>GeForce 710M</u>                                       | 451                                  | 1389                   | NA                                 | NA                        |
| <u>Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D</u> | 451                                  | 1390                   | NA                                 | NA                        |
| <u>Radeon HD 7650M</u>                                    | 451                                  | 1391                   | NA                                 | NA                        |
| <u>GeForce GT 710M</u>                                    | 449                                  | 1392                   | NA                                 | NA                        |
| <u>GeForce 8800 GTS</u>                                   | 448                                  | 1394                   | <a href="#">5.60</a>               | <a href="#">\$79.99*</a>  |
| <u>Radeon HD 7640G</u>                                    | 448                                  | 1393                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + HD 7600M Dual</u>                    | 447                                  | 1395                   | NA                                 | NA                        |
| <u>Quadro 410</u>   | 446                                  | 1396                   | <a href="#">3.46</a>               | <a href="#">\$129.00*</a> |
| <u>Radeon HD 7570M</u>                                    | 446                                  | 1397                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 5650</u>                            | 445                                  | 1399                   | NA                                 | NA                        |
| <u>PHDGD Ivy 5</u>  | 445                                  | 1400                   | NA                                 | NA                        |
| <u>Radeon HD 7660G + 8600M Dual</u>                       | 445                                  | 1398                   | NA                                 | NA                        |
| <u>Radeon HD 7620G + HD 8600M Dual</u>                    | 442                                  | 1401                   | NA                                 | NA                        |
| <u>GeForce GT 620M</u>                                    | 440                                  | 1402                   | NA                                 | NA                        |
| <u>Radeon HD 8570D</u>                                    | 436                                  | 1403                   | NA                                 | NA                        |
| <u>Quadro FX 2800M</u>                                    | 435                                  | 1404                   | <a href="#">2.29</a>               | <a href="#">\$190.00*</a> |
| <u>Radeon HD 7600G + HD Dual</u>                          | 435                                  | 1405                   | NA                                 | NA                        |
| <u>Radeon HD 8410G</u>                                    | 435                                  | 1406                   | NA                                 | NA                        |
| <u>Radeon HD 3850 AGP</u>                                 | 432                                  | 1408                   | NA                                 | NA                        |
| <u>Radeon R5 M240</u>                                     | 432                                  | 1407                   | NA                                 | NA                        |
| <u>Quadro FX 4600</u>                                     | 431                                  | 1409                   | <a href="#">1.29</a>               | <a href="#">\$333.25*</a> |
| <u>GeForce 800A</u>                                       | 428                                  | 1410                   | NA                                 | NA                        |
| <u>Radeon HD 7600G + 7550M Dual</u>                       | 423                                  | 1412                   | NA                                 | NA                        |
| <u>Radeon HD 7640G + HD 7500/7600 Dual</u>                | 423                                  | 1411                   | NA                                 | NA                        |
| <u>Radeon HD 7640G N HD 7640G + HD 8570M Dual</u>         | 422                                  | 1414                   | NA                                 | NA                        |
| <u>RADEON HD6410D</u>                                     | 422                                  | 1413                   | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>Radeon HD 8570M</u>                                  | 421                                  | 1416                   | NA                                 | NA                          |
| <u>Radeon HD 8610G</u>                                  | 421                                  | 1415                   | NA                                 | NA                          |
| <u>GeForce GT 420M</u>                                  | 419                                  | 1418                   | NA                                 | NA                          |
| <u>Intel 4th Generation Haswell HD</u>                  | 419                                  | 1417                   | NA                                 | NA                          |
| <u>Radeon R5 M320</u>                                   | 418                                  | 1419                   | NA                                 | NA                          |
| <u>GeForce GT 420</u>                                   | 411                                  | 1420                   | <a href="#">2.65</a>               | <a href="#">\$155.00*</a>   |
| <u>Radeon HD 8550G</u>                                  | 410                                  | 1421                   | NA                                 | NA                          |
| <u>GeForce 810M</u>                                     | 409                                  | 1422                   | NA                                 | NA                          |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>FirePro M2000</u>                                    | 408                                  | 1424                   | NA                                 | NA                          |
| <u>GeForce GT 330</u>                                   | 408                                  | 1423                   | <a href="#">10.22</a>              | <a href="#">\$39.99*</a>    |
| <u>Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G</u> | 408                                  | 1425                   | NA                                 | NA                          |
| <u>GeForce GTS 350M</u>                                 | 407                                  | 1426                   | NA                                 | NA                          |
| <u>Radeon HD 6550D</u>                                  | 407                                  | 1428                   | NA                                 | NA                          |
| <u>Radeon HD 7470M</u>                                  | 407                                  | 1427                   | NA                                 | NA                          |
| <u>Radeon HD 7640G + HD 7600M N HD 7600M Dual</u>       | 406                                  | 1429                   | NA                                 | NA                          |
| <u>RADEON E4690</u>                                     | 405                                  | 1431                   | NA                                 | NA                          |
| <u>Radeon HD 7600G + 7500M/7600M Dual</u>               | 405                                  | 1430                   | NA                                 | NA                          |
| <u>Radeon HD 8500M</u>                                  | 405                                  | 1432                   | NA                                 | NA                          |
| <u>Quadro FX 1800</u>                                   | 403                                  | 1433                   | <a href="#">2.99</a>               | <a href="#">\$135.00*</a>   |
| <u>Mobility Radeon HD 4650</u>                          | 401                                  | 1435                   | NA                                 | NA                          |
| <u>Radeon R5 M230</u>                                   | 401                                  | 1434                   | NA                                 | NA                          |
| <u>Radeon HD 3850</u>                                   | 400                                  | 1436                   | NA                                 | NA                          |
| <u>GeForce GT 335M</u>                                  | 399                                  | 1437                   | NA                                 | NA                          |
| <u>Radeon R5 Opteron X3216</u>                          | 394                                  | 1438                   | NA                                 | NA                          |
| <u>Incredible HD</u>                                    | 389                                  | 1440                   | NA                                 | NA                          |
| <u>Radeon HD 7600G + 7450M Dual</u>                     | 389                                  | 1439                   | NA                                 | NA                          |
| <u>GeForce 7900 GTX</u>                                 | 387                                  | 1441                   | NA                                 | NA                          |
| <u>Intel HD 5300</u>                                    | 387                                  | 1442                   | NA                                 | NA                          |
| <u>GeForce GTX 260M</u>                                 | 384                                  | 1443                   | NA                                 | NA                          |
| <u>GeForce 8800M GTS</u>                                | 382                                  | 1444                   | NA                                 | NA                          |
| <u>GeForce 9800M GT</u>                                 | 381                                  | 1446                   | NA                                 | NA                          |
| <u>GeForce GT 130</u>                                   | 381                                  | 1447                   | <a href="#">2.52</a>               | <a href="#">\$151.34*</a>   |
| <u>Radeon HD 4670</u>                                   | 381                                  | 1445                   | <a href="#">2.67</a>               | <a href="#">\$142.96*</a>   |
| <u>GeForce 9800M GTS</u>                                | 378                                  | 1448                   | NA                                 | NA                          |
| <u>Radeon HD 6490M</u>                                  | 377                                  | 1449                   | <a href="#">0.32</a>               | <a href="#">\$1,193.03*</a> |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>Radeon HD 7520G + 8750M Dual</u>                       | 376                                  | 1450                   | NA                                 | NA                          |
| <u>Radeon HD 7600G + 6400M Dual</u>                       | 376                                  | 1451                   | NA                                 | NA                          |
| <u>PHDGD Ivy 4</u>  | 374                                  | 1452                   | NA                                 | NA                          |
| <u>Radeon HD 8570D + HD8490 Dual</u>                      | 374                                  | 1453                   | NA                                 | NA                          |
| <u>Radeon HD 5550</u>                                     | 371                                  | 1454                   | <a href="#">6.76</a>               | <a href="#">\$54.99*</a>    |
| <u>GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT</u> | 368                                  | 1455                   | NA                                 | NA                          |
| <u>Intel UHD Graphics 605</u>                             | 368                                  | 1456                   | NA                                 | NA                          |
| <u>Matrox Millennium P690 PCIe x16</u>                    | 366                                  | 1458                   | NA                                 | NA                          |
| <u>Quadro FX 3700</u>                                     | 366                                  | 1457                   | <a href="#">1.72</a>               | <a href="#">\$213.27*</a>   |
| <u>Mobility Radeon HD 3850</u>                            | 365                                  | 1461                   | NA                                 | NA                          |
| <u>Radeon HD 8510G</u>                                    | 365                                  | 1459                   | NA                                 | NA                          |
| <u>Radeon HD4670</u>                                      | 365                                  | 1460                   | NA                                 | NA                          |
| <u>Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D</u> | 364                                  | 1462                   | NA                                 | NA                          |
| <u>GeForce 9600 GSO 512</u>                               | 363                                  | 1464                   | NA                                 | NA                          |
| <u>Radeon HD 7660G + HD 8600M Dual</u>                    | 363                                  | 1463                   | NA                                 | NA                          |
| <u>GeForce GT 620</u>                                     | 362                                  | 1465                   | <a href="#">2.35</a>               | <a href="#">\$154.00*</a>   |
| <u>Radeon HD 8450G</u>                                    | 360                                  | 1466                   | NA                                 | NA                          |
| <u>Radeon HD 7500G + HD 7500M/7600M Dual</u>              | 355                                  | 1467                   | NA                                 | NA                          |
| <u>Radeon HD 7620G</u>                                    | 355                                  | 1468                   | NA                                 | NA                          |
| <u>Mobility Radeon HD 565v</u>                            | 353                                  | 1470                   | NA                                 | NA                          |
| <u>Radeon HD 6480M</u>                                    | 353                                  | 1469                   | NA                                 | NA                          |
| <u>Radeon HD 6620G</u>                                    | 351                                  | 1471                   | NA                                 | NA                          |
| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>Radeon HD 8470D</u>                                    | 351                                  | 1472                   | NA                                 | NA                          |
| <u>Radeon HD 7580D</u>                                    | 350                                  | 1473                   | NA                                 | NA                          |
| <u>GeForce 9600 GSO</u>                                   | 349                                  | 1475                   | <a href="#">6.99</a>               | <a href="#">\$49.99*</a>    |
| <u>GeForce GT 705</u>                                     | 349                                  | 1474                   | <a href="#">1.18</a>               | <a href="#">\$296.76*</a>   |
| <u>GeForce GT 625</u>                                     | 346                                  | 1476                   | NA                                 | NA                          |
| <u>Quadro FX 2700M</u>                                    | 345                                  | 1477                   | <a href="#">3.46</a>               | <a href="#">\$99.95*</a>    |
| <u>GeForce 7950 GT</u>                                    | 344                                  | 1478                   | <a href="#">1.69</a>               | <a href="#">\$203.99*</a>   |
| <u>FireGL V5600</u>                                       | 341                                  | 1480                   | <a href="#">1.52</a>               | <a href="#">\$225.00*</a>   |
| <u>FirePro 3D V3750</u>                                   | 341                                  | 1479                   | <a href="#">6.71</a>               | <a href="#">\$50.88*</a>    |
| <u>Radeon HD 8310E</u>                                    | 340                                  | 1481                   | NA                                 | NA                          |
| <u>Intel HD 505</u>                                       | 339                                  | 1482                   | NA                                 | NA                          |
| <u>Radeon HD 7660D + HD 7400 Dual</u>                     | 339                                  | 1483                   | NA                                 | NA                          |
| <u>Intel HD 4000</u>                                      | 338                                  | 1485                   | <a href="#">0.21</a>               | <a href="#">\$1,592.95*</a> |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon HD 8570D + HD 8470 Dual</u>    | 338                                  | 1484                   | NA                                 | NA                        |
| <u>Radeon R5 235</u>                     | 336                                  | 1486                   | <a href="#">5.59</a>               | <a href="#">\$60.13*</a>  |
| <u>FirePro RG220</u>                     | 335                                  | 1487                   | <a href="#">0.52</a>               | <a href="#">\$650.18*</a> |
| <u>GeForce 8800 GS</u>                   | 332                                  | 1489                   | NA                                 | NA                        |
| <u>Radeon R4</u>                         | 332                                  | 1488                   | <a href="#">0.84</a>               | <a href="#">\$396.99*</a> |
| <u>Radeon HD 7540D</u>                   | 331                                  | 1491                   | NA                                 | NA                        |
| <u>Radeon R5 310</u>                     | 331                                  | 1490                   | <a href="#">0.66</a>               | <a href="#">\$499.00*</a> |
| <u>FirePro V3800</u>                     | 329                                  | 1492                   | <a href="#">2.64</a>               | <a href="#">\$124.99*</a> |
| <u>Radeon HD 7450M</u>                   | 329                                  | 1493                   | NA                                 | NA                        |
| <u>Radeon HD 6530D</u>                   | 328                                  | 1495                   | NA                                 | NA                        |
| <u>Radeon HD 7600G + HD 7400M Dual</u>   | 328                                  | 1494                   | NA                                 | NA                        |
| <u>Intel UHD Graphics 600</u>            | 326                                  | 1496                   | NA                                 | NA                        |
| <u>GeForce GT 120 / 9500 GT</u>          | 324                                  | 1497                   | NA                                 | NA                        |
| <u>Radeon E6460</u>                      | 323                                  | 1498                   | NA                                 | NA                        |
| <u>GeForce GT 230</u>                    | 320                                  | 1499                   | <a href="#">7.29</a>               | <a href="#">\$43.99*</a>  |
| <u>Radeon HD 7420G</u>                   | 320                                  | 1501                   | NA                                 | NA                        |
| <u>Radeon HD 7600G</u>                   | 320                                  | 1502                   | NA                                 | NA                        |
| <u>RADEON HD6370D</u>                    | 320                                  | 1500                   | NA                                 | NA                        |
| <u>GeForce 240M GT</u>                   | 319                                  | 1503                   | NA                                 | NA                        |
| <u>Radeon HD 8280</u>                    | 319                                  | 1504                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 560v</u>           | 318                                  | 1505                   | NA                                 | NA                        |
| <u>Radeon HD 8370D</u>                   | 317                                  | 1506                   | NA                                 | NA                        |
| <u>Radeon HD 7520G</u>                   | 316                                  | 1507                   | NA                                 | NA                        |
| <u>Radeon HD 7520G + 8600/8700M Dual</u> | 311                                  | 1508                   | NA                                 | NA                        |
| <u>Quadro FX 3500M</u>                   | 306                                  | 1510                   | <a href="#">3.06</a>               | <a href="#">\$99.99*</a>  |
| <u>Radeon HD 7500G</u>                   | 306                                  | 1509                   | NA                                 | NA                        |
| <u>GeForce 605</u>                       | 304                                  | 1512                   | <a href="#">2.22</a>               | <a href="#">\$136.83*</a> |
| <u>Radeon HD 8350G</u>                   | 304                                  | 1511                   | NA                                 | NA                        |
| <u>GeForce GT 610</u>                    | 302                                  | 1513                   | <a href="#">2.16</a>               | <a href="#">\$139.99*</a> |
| <u>GeForce GT 520</u>                    | 301                                  | 1514                   | <a href="#">0.99</a>               | <a href="#">\$304.00*</a> |
| <u>Radeon R1E</u>                        | 301                                  | 1515                   | NA                                 | NA                        |
| <u>Intel HD P3000</u>                    | 300                                  | 1516                   | NA                                 | NA                        |
| <u>Radeon R3</u>                         | 299                                  | 1517                   | NA                                 | NA                        |
| <u>GeForce 9700M GTS</u>                 | 298                                  | 1519                   | NA                                 | NA                        |
| <u>Intel HD 500</u>                      | 298                                  | 1518                   | NA                                 | NA                        |
| <u>Radeon HD 6520G</u>                   | 297                                  | 1521                   | NA                                 | NA                        |
| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                      |
|---|--------------------------------------|------------------------|------------------------------------|----------------------------------|
| <a href="#"><u>Radeon HD 7470</u></a>                     | 297                                  | 1520                   | <a href="#"><u>3.65</u></a>        | <a href="#"><u>\$81.37*</u></a>  |
| <a href="#"><u>Radeon R5E</u></a>                         | 295                                  | 1522                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 610M</u></a>                       | 293                                  | 1524                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 9600M GT / GeForce GT 220M</u></a> | 293                                  | 1525                   | NA                                 | NA                               |
| <a href="#"><u>GRID K120Q</u></a>                         | 293                                  | 1523                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 2900 GT</u></a>                  | 292                                  | 1526                   | NA                                 | NA                               |
| <a href="#"><u>Quadro FX 3500</u></a>                     | 291                                  | 1527                   | <a href="#"><u>4.23</u></a>        | <a href="#"><u>\$68.98*</u></a>  |
| <a href="#"><u>GeForce 7800 GTX</u></a>                   | 290                                  | 1528                   | <a href="#"><u>4.06</u></a>        | <a href="#"><u>\$71.60*</u></a>  |
| <a href="#"><u>NVS 315</u></a>                            | 289                                  | 1529                   | <a href="#"><u>4.13</u></a>        | <a href="#"><u>\$69.99*</u></a>  |
| <a href="#"><u>Intel G965 Express</u></a>                 | 288                                  | 1531                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7450A</u></a>                    | 288                                  | 1530                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 7950 Xtreme</u></a>                | 287                                  | 1532                   | NA                                 | NA                               |
| <a href="#"><u>GeForce GT 520M</u></a>                    | 287                                  | 1533                   | <a href="#"><u>9.59</u></a>        | <a href="#"><u>\$29.95*</u></a>  |
| <a href="#"><u>GeForce GT 520MX</u></a>                   | 287                                  | 1534                   | NA                                 | NA                               |
| <a href="#"><u>GeForce GT 415M</u></a>                    | 286                                  | 1535                   | NA                                 | NA                               |
| <a href="#"><u>Mobile Intel HD</u></a>                    | 284                                  | 1536                   | <a href="#"><u>0.59</u></a>        | <a href="#"><u>\$479.98*</u></a> |
| <a href="#"><u>Mobility Radeon HD 5165</u></a>            | 284                                  | 1537                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7480D</u></a>                    | 283                                  | 1538                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 2600 XT</u></a>                  | 282                                  | 1539                   | <a href="#"><u>1.78</u></a>        | <a href="#"><u>\$159.00*</u></a> |
| <a href="#"><u>GeForce 9600 GS</u></a>                    | 281                                  | 1540                   | NA                                 | NA                               |
| <a href="#"><u>Radeon R5 235X</u></a>                     | 277                                  | 1541                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 6370M</u></a>                    | 275                                  | 1542                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8400E</u></a>                    | 272                                  | 1543                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 9650M GS</u></a>                   | 270                                  | 1545                   | NA                                 | NA                               |
| <a href="#"><u>GeForce Go 7900 GTX</u></a>                | 270                                  | 1544                   | NA                                 | NA                               |
| <a href="#"><u>Qualcomm Adreno 630 GPU</u></a>            | 269                                  | 1547                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8280G</u></a>                    | 269                                  | 1546                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 5470</u></a>                     | 268                                  | 1548                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 7400G</u></a>                    | 267                                  | 1549                   | NA                                 | NA                               |
| <a href="#"><u>Mobility Radeon HD 550v</u></a>            | 266                                  | 1550                   | NA                                 | NA                               |
| <a href="#"><u>GeForce GT 120M</u></a>                    | 265                                  | 1551                   | NA                                 | NA                               |
| <a href="#"><u>Intel Q965/Q963 Express</u></a>            | 265                                  | 1552                   | NA                                 | NA                               |
| <a href="#"><u>GeForce Go 7950 GTX</u></a>                | 263                                  | 1553                   | NA                                 | NA                               |
| <a href="#"><u>Radeon HD 8490</u></a>                     | 263                                  | 1554                   | <a href="#"><u>2.92</u></a>        | <a href="#"><u>\$89.99*</u></a>  |
| <a href="#"><u>NVS 4200M</u></a>                          | 260                                  | 1556                   | <a href="#"><u>0.65</u></a>        | <a href="#"><u>\$399.00*</u></a> |
| <a href="#"><u>Radeon HD 6450A</u></a>                    | 260                                  | 1555                   | NA                                 | NA                               |
| <a href="#"><u>GeForce 510</u></a>                        | 259                                  | 1557                   | <a href="#"><u>3.71</u></a>        | <a href="#"><u>\$69.99*</u></a>  |

| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>GeForce 7900 GT</u>                            | 258                                  | 1558                   | <a href="#">1.30</a>               | <a href="#">\$199.00*</a>   |
| <u>Radeon HD 6480G</u>                            | 257                                  | 1560                   | NA                                 | NA                          |
| <u>Radeon HD 8400</u>                             | 257                                  | 1559                   | NA                                 | NA                          |
| <u>Radeon HD 8470</u>                             | 256                                  | 1561                   | NA                                 | NA                          |
| <u>Intel HD 3000</u>                              | 255                                  | 1562                   | <a href="#">0.27</a>               | <a href="#">\$945.00*</a>   |
| <u>Radeon HD 6370D</u>                            | 254                                  | 1563                   | NA                                 | NA                          |
| <u>GeForce 7900 GS</u>                            | 253                                  | 1564                   | NA                                 | NA                          |
| <u>Quadro NVS 510M</u>                            | 253                                  | 1565                   | NA                                 | NA                          |
| <u>Radeon HD 8330</u>                             | 250                                  | 1566                   | NA                                 | NA                          |
| <u>Radeon HD 7640G + 8600M Dual</u>               | 249                                  | 1567                   | NA                                 | NA                          |
| <u>Radeon HD 8330E</u>                            | 249                                  | 1568                   | NA                                 | NA                          |
| <u>GeForce 7900 GT/GTO</u>                        | 247                                  | 1570                   | NA                                 | NA                          |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)                 |
| <u>GeForce GT 415</u>                             | 247                                  | 1569                   | NA                                 | NA                          |
| <u>GeForce 410M</u>                               | 246                                  | 1571                   | NA                                 | NA                          |
| <u>GeForce 7800 GT</u>                            | 244                                  | 1572                   | <a href="#">3.05</a>               | <a href="#">\$80.00*</a>    |
| <u>Quadro FX 5500</u>                             | 242                                  | 1573                   | <a href="#">0.12</a>               | <a href="#">\$1,999.00*</a> |
| <u>Radeon HD 8280E</u>                            | 241                                  | 1574                   | NA                                 | NA                          |
| <u>Radeon R2</u>                                  | 240                                  | 1575                   | NA                                 | NA                          |
| <u>Radeon HD 6410D</u>                            | 239                                  | 1577                   | NA                                 | NA                          |
| <u>Radeon HD4650</u>                              | 239                                  | 1576                   | <a href="#">1.57</a>               | <a href="#">\$152.90*</a>   |
| <u>Radeon HD 8240</u>                             | 238                                  | 1578                   | NA                                 | NA                          |
| <u>Mobility Radeon HD 5470</u>                    | 236                                  | 1579                   | NA                                 | NA                          |
| <u>Quadro FX 4500 X2</u>                          | 236                                  | 1580                   | NA                                 | NA                          |
| <u>Radeon HD 4550</u>                             | 235                                  | 1581                   | <a href="#">1.51</a>               | <a href="#">\$156.00*</a>   |
| <u>Mobility Radeon HD 3670</u>                    | 232                                  | 1582                   | NA                                 | NA                          |
| <u>Radeon E6465</u>                               | 231                                  | 1583                   | NA                                 | NA                          |
| <u>Radeon HD 6470M</u>                            | 228                                  | 1584                   | <a href="#">0.40</a>               | <a href="#">\$569.99*</a>   |
| <u>Quadro FX 4500</u>                             | 226                                  | 1585                   | <a href="#">1.34</a>               | <a href="#">\$169.00*</a>   |
| <u>Radeon HD 7450</u>                             | 225                                  | 1586                   | <a href="#">4.50</a>               | <a href="#">\$49.99*</a>    |
| <u>GT 430</u>                                     | 223                                  | 1587                   | <a href="#">1.56</a>               | <a href="#">\$142.88*</a>   |
| <u>Radeon HD 7340M</u>                            | 221                                  | 1589                   | NA                                 | NA                          |
| <u>Radeon R5 230</u>                              | 221                                  | 1588                   | <a href="#">2.74</a>               | <a href="#">\$81.10*</a>    |
| <u>A6 Micro-6500T Quad-Core APU with RadeonR4</u> | 220                                  | 1591                   | NA                                 | NA                          |
| <u>HD6450</u>                                     | 220                                  | 1590                   | <a href="#">2.04</a>               | <a href="#">\$108.20*</a>   |
| <u>Mobility FireGL V5725</u>                      | 219                                  | 1593                   | NA                                 | NA                          |

| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Quadro FX 880M</u>                           | 219                                  | 1592                   | NA                                 | NA                        |
| <u>GeForce 320M</u>                             | 218                                  | 1594                   | NA                                 | NA                        |
| <u>Quadro FX 2500M</u>                          | 217                                  | 1595                   | <a href="#">12.45</a>              | <a href="#">\$17.50*</a>  |
| <u>Radeon HD 4650</u>                           | 217                                  | 1596                   | <a href="#">3.10</a>               | <a href="#">\$69.99*</a>  |
| <u>Radeon HD 6320 Graphic</u>                   | 216                                  | 1597                   | NA                                 | NA                        |
| <u>Mobility Radeon. HD 5470</u>                 | 215                                  | 1598                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 5450</u>                  | 214                                  | 1599                   | NA                                 | NA                        |
| <u>Intel HD 2000</u>                            | 213                                  | 1600                   | NA                                 | NA                        |
| <u>Radeon R2E</u>                               | 212                                  | 1601                   | NA                                 | NA                        |
| <u>GeForce GT 220</u>                           | 211                                  | 1603                   | <a href="#">5.29</a>               | <a href="#">\$39.99*</a>  |
| <u>Radeon HD 2600 PRO</u>                       | 211                                  | 1604                   | <a href="#">1.12</a>               | <a href="#">\$188.44*</a> |
| <u>WinFast GT 610</u>                           | 211                                  | 1602                   | NA                                 | NA                        |
| <u>GeForce Go 7600 GT</u>                       | 210                                  | 1605                   | NA                                 | NA                        |
| <u>GeForce Go 7800 GTX</u>                      | 209                                  | 1606                   | NA                                 | NA                        |
| <u>Radeon HD 8250</u>                           | 209                                  | 1607                   | NA                                 | NA                        |
| <u>GeForce 9700M GT</u>                         | 208                                  | 1609                   | NA                                 | NA                        |
| <u>GeForce GT 330M</u>                          | 208                                  | 1608                   | NA                                 | NA                        |
| <u>Quadro NVS 290</u>                           | 207                                  | 1611                   | <a href="#">3.52</a>               | <a href="#">\$59.00*</a>  |
| <u>Radeon HD 4650 AGP</u>                       | 207                                  | 1610                   | NA                                 | NA                        |
| <u>Radeon HD 6380G</u>                          | 207                                  | 1612                   | <a href="#">0.52</a>               | <a href="#">\$399.99*</a> |
| <u>GeForce GT 240M</u>                          | 206                                  | 1613                   | NA                                 | NA                        |
| <u>Barco MXRT 1450</u>                          | 205                                  | 1615                   | NA                                 | NA                        |
| <u>Intel 2nd Generation SandyBridge HD 3000</u> | 205                                  | 1616                   | NA                                 | NA                        |
| <u>Radeon R3E</u>                               | 205                                  | 1614                   | NA                                 | NA                        |
| <u>GeForce 7600 GT</u>                          | 201                                  | 1618                   | <a href="#">1.01</a>               | <a href="#">\$199.00*</a> |
| <u>GeForce 7950 GX2</u>                         | 201                                  | 1617                   | <a href="#">3.67</a>               | <a href="#">\$54.99*</a>  |
| Videocard Name                                  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>GeForce GT 230M</u>                          | 201                                  | 1619                   | NA                                 | NA                        |
| <u>GeForce G200</u>                             | 199                                  | 1620                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 545v</u>                  | 199                                  | 1621                   | NA                                 | NA                        |
| <u>Radeon HD 6450</u>                           | 199                                  | 1622                   | <a href="#">2.24</a>               | <a href="#">\$89.00*</a>  |
| <u>RADEON HD7450</u>                            | 199                                  | 1623                   | <a href="#">8.95</a>               | <a href="#">\$22.25*</a>  |
| <u>Radeon HD 6320M</u>                          | 198                                  | 1624                   | NA                                 | NA                        |
| <u>Radeon HD 7340G</u>                          | 196                                  | 1625                   | NA                                 | NA                        |
| <u>GeForce 6800 GS</u>                          | 195                                  | 1626                   | NA                                 | NA                        |
| <u>Intel Infoshock HD</u>                       | 193                                  | 1627                   | NA                                 | NA                        |
| <u>Radeon HD 8210E</u>                          | 193                                  | 1628                   | NA                                 | NA                        |



| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)                   |
|--|---|---------------------------|---------------------------------------|----------------------------------|
| <a href="#"><u>Radeon HD 6430M</u></a>                     | 192                                     | 1629                      | NA                                    | NA                               |
| <a href="#"><u>Mobility Radeon HD 2600 XT</u></a>          | 191                                     | 1630                      | NA                                    | NA                               |
| <a href="#"><u>Mobility Radeon HD 4550</u></a>             | 191                                     | 1631                      | NA                                    | NA                               |
| <a href="#"><u>NVS 5100M</u></a>                           | 190                                     | 1632                      | NA                                    | NA                               |
| <a href="#"><u>Quadro FX 1500</u></a>                      | 189                                     | 1633                      | <a href="#"><u>1.65</u></a>           | <a href="#"><u>\$115.01*</u></a> |
| <a href="#"><u>Mobility Radeon HD 540v</u></a>             | 188                                     | 1634                      | NA                                    | NA                               |
| <a href="#"><u>Quadro FX 770M</u></a>                      | 186                                     | 1635                      | <a href="#"><u>0.35</u></a>           | <a href="#"><u>\$527.00*</u></a> |
| <a href="#"><u>Intel 2nd Generation SandyBridge HD</u></a> | 185                                     | 1637                      | NA                                    | NA                               |
| <a href="#"><u>Quadro FX 3450/4000 SDI</u></a>             | 185                                     | 1638                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 8210</u></a>                      | 185                                     | 1636                      | NA                                    | NA                               |
| <a href="#"><u>Mobility Radeon HD 5430</u></a>             | 181                                     | 1639                      | NA                                    | NA                               |
| <a href="#"><u>Barco MXRT 7100</u></a>                     | 180                                     | 1641                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 7310G</u></a>                     | 180                                     | 1640                      | NA                                    | NA                               |
| <a href="#"><u>FireGL V3600</u></a>                        | 179                                     | 1642                      | <a href="#"><u>1.12</u></a>           | <a href="#"><u>\$160.99*</u></a> |
| <a href="#"><u>Radeon HD 6230</u></a>                      | 179                                     | 1643                      | NA                                    | NA                               |
| <a href="#"><u>FirePro 3D V3700</u></a>                    | 178                                     | 1644                      | <a href="#"><u>2.10</u></a>           | <a href="#"><u>\$84.99*</u></a>  |
| <a href="#"><u>GeForce 7800 GS</u></a>                     | 177                                     | 1645                      | NA                                    | NA                               |
| <a href="#"><u>GeForce Go 7900 GS</u></a>                  | 176                                     | 1646                      | NA                                    | NA                               |
| <a href="#"><u>GeForce 8200</u></a>                        | 174                                     | 1649                      | NA                                    | NA                               |
| <a href="#"><u>Mobility Radeon HD 530v</u></a>             | 174                                     | 1647                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 7310 - Carte graphique</u></a>    | 174                                     | 1648                      | NA                                    | NA                               |
| <a href="#"><u>GeForce 9200</u></a>                        | 172                                     | 1650                      | NA                                    | NA                               |
| <a href="#"><u>Quadro FX 1700M</u></a>                     | 172                                     | 1651                      | NA                                    | NA                               |
| <a href="#"><u>Quadro FX 1500M</u></a>                     | 171                                     | 1652                      | NA                                    | NA                               |
| <a href="#"><u>FirePro 2460</u></a>                        | 170                                     | 1655                      | <a href="#"><u>2.03</u></a>           | <a href="#"><u>\$83.99*</u></a>  |
| <a href="#"><u>GeForce GT 325M</u></a>                     | 170                                     | 1653                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 7350</u></a>                      | 170                                     | 1656                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HDG 4670</u></a>                     | 170                                     | 1654                      | NA                                    | NA                               |
| <a href="#"><u>GeForce GT 120</u></a>                      | 168                                     | 1657                      | <a href="#"><u>5.63</u></a>           | <a href="#"><u>\$29.99*</u></a>  |
| <a href="#"><u>Mobility Radeon HD 2600</u></a>             | 167                                     | 1658                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 7310M</u></a>                     | 166                                     | 1659                      | NA                                    | NA                               |
| <a href="#"><u>Intel HD manual-gen9_2015-133271</u></a>    | 165                                     | 1660                      | NA                                    | NA                               |
| <a href="#"><u>Radeon HD 8350</u></a>                      | 164                                     | 1661                      | <a href="#"><u>1.65</u></a>           | <a href="#"><u>\$99.81*</u></a>  |
| <a href="#"><u>GeForce 8600 GTS</u></a>                    | 161                                     | 1662                      | <a href="#"><u>0.67</u></a>           | <a href="#"><u>\$241.99*</u></a> |
| <a href="#"><u>GeForce 315</u></a>                         | 159                                     | 1663                      | <a href="#"><u>4.83</u></a>           | <a href="#"><u>\$32.99*</u></a>  |
| <a href="#"><u>Quadro FX 380</u></a>                       | 158                                     | 1664                      | <a href="#"><u>2.19</u></a>           | <a href="#"><u>\$72.50*</u></a>  |
| <a href="#"><u>GeForce 7600 GS</u></a>                     | 157                                     | 1665                      | <a href="#"><u>0.90</u></a>           | <a href="#"><u>\$175.00*</u></a> |

| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">GeForce 9200M GE</a>               | 156                                     | 1667                      | NA                                    | NA                        |
| <a href="#">GeForce 9500 GS</a>                | 156                                     | 1668                      | NA                                    | NA                        |
| Videocard Name                                 | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
| <a href="#">Radeon HD 7340</a>                 | 156                                     | 1666                      | <a href="#">0.28</a>                  | <a href="#">\$552.69*</a> |
| <a href="#">Quadro FX 570</a>                  | 155                                     | 1670                      | <a href="#">1.36</a>                  | <a href="#">\$115.00*</a> |
| <a href="#">Radeon HD 4300/4500 Serisi</a>     | 155                                     | 1669                      | NA                                    | NA                        |
| <a href="#">Quadro FX 580</a>                  | 154                                     | 1671                      | <a href="#">1.19</a>                  | <a href="#">\$130.00*</a> |
| <a href="#">Radeon HD 3670</a>                 | 152                                     | 1672                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 CrossFire Edition</a> | 151                                     | 1673                      | NA                                    | NA                        |
| <a href="#">GeForce 305M</a>                   | 150                                     | 1674                      | NA                                    | NA                        |
| <a href="#">Radeon HD 3650 AGP</a>             | 150                                     | 1675                      | <a href="#">0.81</a>                  | <a href="#">\$185.00*</a> |
| <a href="#">Mobility Radeon HD 4350</a>        | 148                                     | 1679                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3450</a>                 | 148                                     | 1676                      | <a href="#">1.24</a>                  | <a href="#">\$119.99*</a> |
| <a href="#">Radeon HD 6320</a>                 | 148                                     | 1678                      | <a href="#">0.27</a>                  | <a href="#">\$554.99*</a> |
| <a href="#">S3 5400EW</a>                      | 148                                     | 1677                      | NA                                    | NA                        |
| <a href="#">FirePro 2270</a>                   | 147                                     | 1681                      | <a href="#">1.10</a>                  | <a href="#">\$134.00*</a> |
| <a href="#">GeForce 505</a>                    | 147                                     | 1682                      | <a href="#">1.28</a>                  | <a href="#">\$115.06*</a> |
| <a href="#">GeForce Go 7700</a>                | 147                                     | 1680                      | NA                                    | NA                        |
| <a href="#">ZX Chrome 645/640 GPU</a>          | 147                                     | 1683                      | NA                                    | NA                        |
| <a href="#">GeForce GT 130M</a>                | 146                                     | 1685                      | NA                                    | NA                        |
| <a href="#">Quadro 400</a>                     | 146                                     | 1684                      | <a href="#">0.70</a>                  | <a href="#">\$211.00*</a> |
| <a href="#">Intel Q45/Q43 Express Chipset</a>  | 145                                     | 1687                      | NA                                    | NA                        |
| <a href="#">Radeon X1900 GT</a>                | 145                                     | 1686                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 GT</a>                | 142                                     | 1688                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6300M</a>                | 142                                     | 1689                      | NA                                    | NA                        |
| <a href="#">nForce 760i SLI</a>                | 140                                     | 1694                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4290</a>                 | 140                                     | 1691                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6290M</a>                | 140                                     | 1693                      | NA                                    | NA                        |
| <a href="#">RADEON HD 6350</a>                 | 140                                     | 1690                      | <a href="#">2.39</a>                  | <a href="#">\$59.00*</a>  |
| <a href="#">Radeon X1800 GTO</a>               | 140                                     | 1692                      | NA                                    | NA                        |
| <a href="#">Intel Haswell HD - GT2</a>         | 139                                     | 1695                      | NA                                    | NA                        |
| <a href="#">NVS 2100M</a>                      | 139                                     | 1696                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 Ultra</a>             | 138                                     | 1697                      | NA                                    | NA                        |
| <a href="#">Radeon HD 8180</a>                 | 138                                     | 1698                      | NA                                    | NA                        |
| <a href="#">GeForce 6600 GT</a>                | 137                                     | 1701                      | <a href="#">2.11</a>                  | <a href="#">\$64.95*</a>  |
| <a href="#">GeForce 9650M GT</a>               | 137                                     | 1703                      | <a href="#">1.17</a>                  | <a href="#">\$117.30*</a> |
| <a href="#">GeForce Go 6800 Ultra</a>          | 137                                     | 1700                      | NA                                    | NA                        |

| Videocard Name                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
|---------------------------------------|---|---------------------------|---------------------------------------|-----------------------------|
| <u>Radeon HD 5450</u>                 | 137                                     | 1699                      | <a href="#">1.45</a>                  | <a href="#">\$94.96*</a>    |
| <u>Radeon X1900 CrossFire Edition</u> | 137                                     | 1702                      | NA                                    | NA                          |
| <u>GeForce 7300 GT</u>                | 136                                     | 1704                      | <a href="#">0.91</a>                  | <a href="#">\$149.99*</a>   |
| <u>Mobility Radeon HD 4330</u>        | 135                                     | 1705                      | NA                                    | NA                          |
| <u>EAH5450</u>                        | 134                                     | 1709                      | <a href="#">1.22</a>                  | <a href="#">\$109.99*</a>   |
| <u>GeForce 7650 GS</u>                | 134                                     | 1711                      | NA                                    | NA                          |
| <u>GeForce 9500 GT</u>                | 134                                     | 1710                      | <a href="#">1.56</a>                  | <a href="#">\$85.99*</a>    |
| <u>GeForce 9800 GT 1024MB</u>         | 134                                     | 1708                      | NA                                    | NA                          |
| <u>Mobility Radeon HD 4570</u>        | 134                                     | 1707                      | <a href="#">1.78</a>                  | <a href="#">\$75.90*</a>    |
| <u>Mobility Radeon X1900</u>          | 134                                     | 1706                      | NA                                    | NA                          |
| <u>GeForce G102M</u>                  | 133                                     | 1713                      | NA                                    | NA                          |
| <u>Quadro FX 380 LP</u>               | 133                                     | 1714                      | NA                                    | NA                          |
| <u>Radeon R5 220</u>                  | 133                                     | 1712                      | <a href="#">1.57</a>                  | <a href="#">\$85.26*</a>    |
| <u>VIA/S3G C-645/640 GPU</u>          | 132                                     | 1715                      | NA                                    | NA                          |
| <u>GeForce 9600M GT</u>               | 131                                     | 1716                      | <a href="#">1.68</a>                  | <a href="#">\$78.20*</a>    |
| Videocard Name                        | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)              |
| <u>Mobility Radeon HD 3650</u>        | 131                                     | 1717                      | <a href="#">1.78</a>                  | <a href="#">\$73.53*</a>    |
| <u>Quadro FX 1600M</u>                | 131                                     | 1718                      | <a href="#">0.87</a>                  | <a href="#">\$149.90*</a>   |
| <u>MOBILITY RADEON X1800</u>          | 130                                     | 1719                      | NA                                    | NA                          |
| <u>GeForce 8400 GS</u>                | 129                                     | 1721                      | <a href="#">1.51</a>                  | <a href="#">\$85.97*</a>    |
| <u>Radeon HD 7310</u>                 | 129                                     | 1722                      | NA                                    | NA                          |
| <u>RADEON X800 SE</u>                 | 129                                     | 1720                      | NA                                    | NA                          |
| <u>FireGL V7300</u>                   | 128                                     | 1725                      | <a href="#">0.11</a>                  | <a href="#">\$1,189.99*</a> |
| <u>GeForce 6800 XT</u>                | 128                                     | 1727                      | NA                                    | NA                          |
| <u>GeForce 9300 / nForce 730i</u>     | 128                                     | 1723                      | NA                                    | NA                          |
| <u>Radeon HD 3450</u>                 | 128                                     | 1724                      | <a href="#">1.45</a>                  | <a href="#">\$89.00*</a>    |
| <u>Radeon HD 3470</u>                 | 128                                     | 1726                      | <a href="#">1.17</a>                  | <a href="#">\$109.65*</a>   |
| <u>All-in-Wonder X1900</u>            | 127                                     | 1730                      | NA                                    | NA                          |
| <u>GeForce Go 7600</u>                | 127                                     | 1728                      | NA                                    | NA                          |
| <u>Intel Q35 Express</u>              | 127                                     | 1731                      | NA                                    | NA                          |
| <u>Quadro NVS 320M</u>                | 127                                     | 1729                      | NA                                    | NA                          |
| <u>GeForce 205</u>                    | 126                                     | 1734                      | NA                                    | NA                          |
| <u>GeForce 9300</u>                   | 126                                     | 1732                      | <a href="#">2.15</a>                  | <a href="#">\$59.00*</a>    |
| <u>Radeon HD 3300</u>                 | 126                                     | 1733                      | NA                                    | NA                          |
| <u>GeForce 8700M GT</u>               | 124                                     | 1737                      | NA                                    | NA                          |
| <u>M76M</u>                           | 124                                     | 1736                      | NA                                    | NA                          |
| <u>Quadro FX 1400</u>                 | 124                                     | 1738                      | <a href="#">0.51</a>                  | <a href="#">\$245.01*</a>   |

| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Quadro FX 380M</u>                          | 124                                  | 1739                   | NA                                 | NA                        |
| <u>Seria Mobility Radeon HD 3400</u>           | 124                                  | 1735                   | NA                                 | NA                        |
| <u>GeForce G100</u>                            | 123                                  | 1740                   | <a href="#">6.20</a>               | <a href="#">\$19.99*</a>  |
| <u>Intel Haswell HD - GT1</u>                  | 123                                  | 1744                   | NA                                 | NA                        |
| <u>Matrox G200e WDDM 2.0</u>                   | 123                                  | 1742                   | NA                                 | NA                        |
| <u>Radeon HD 6310</u>                          | 123                                  | 1741                   | NA                                 | NA                        |
| <u>Radeon HD 7290M</u>                         | 123                                  | 1743                   | NA                                 | NA                        |
| <u>Radeon HD 4250</u>                          | 122                                  | 1745                   | NA                                 | NA                        |
| <u>GeForce 405</u>                             | 121                                  | 1747                   | <a href="#">4.94</a>               | <a href="#">\$24.64*</a>  |
| <u>GeForce 9500M G</u>                         | 121                                  | 1748                   | NA                                 | NA                        |
| <u>GeForce G210M</u>                           | 121                                  | 1746                   | NA                                 | NA                        |
| <u>GeForce GT 220M</u>                         | 121                                  | 1749                   | NA                                 | NA                        |
| <u>Extreme AX850 PRO</u>                       | 120                                  | 1752                   | NA                                 | NA                        |
| <u>GeForce 310</u>                             | 120                                  | 1751                   | <a href="#">1.11</a>               | <a href="#">\$108.35*</a> |
| <u>Qualcomm Adreno 540 GPU</u>                 | 120                                  | 1753                   | NA                                 | NA                        |
| <u>Radeon HD 2400</u>                          | 120                                  | 1750                   | <a href="#">1.37</a>               | <a href="#">\$88.20*</a>  |
| <u>GeForce 9600M GS</u>                        | 119                                  | 1755                   | NA                                 | NA                        |
| <u>Qualcomm Adreno 618 GPU</u>                 | 119                                  | 1754                   | NA                                 | NA                        |
| <u>Radeon HD 2400 XT</u>                       | 118                                  | 1756                   | NA                                 | NA                        |
| <u>RV530 PRO</u>                               | 118                                  | 1757                   | NA                                 | NA                        |
| <u>FireMV 2260</u>                             | 117                                  | 1758                   | <a href="#">1.33</a>               | <a href="#">\$88.08*</a>  |
| <u>Mobile Intel 45 Express-Chipsatzfamilie</u> | 117                                  | 1759                   | NA                                 | NA                        |
| <u>FireGL V7200</u>                            | 116                                  | 1764                   | NA                                 | NA                        |
| <u>GeForce 8600 GT</u>                         | 116                                  | 1761                   | <a href="#">0.60</a>               | <a href="#">\$196.00*</a> |
| <u>PHDGD Quantic C3</u>                        | 116                                  | 1760                   | NA                                 | NA                        |
| <u>Quadro FX 1700</u>                          | 116                                  | 1763                   | <a href="#">0.33</a>               | <a href="#">\$350.14*</a> |
| <u>Radeon X1700 Targa Edition</u>              | 116                                  | 1762                   | NA                                 | NA                        |
| <u>GeForce 315M</u>                            | 115                                  | 1766                   | NA                                 | NA                        |
| Videocard Name                                 | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon HD 7290</u>                          | 115                                  | 1767                   | NA                                 | NA                        |
| <u>Radeon X1600 XT</u>                         | 115                                  | 1765                   | NA                                 | NA                        |
| <u>FireGL V5200</u>                            | 114                                  | 1770                   | <a href="#">0.86</a>               | <a href="#">\$133.40*</a> |
| <u>GeForce Go 7800</u>                         | 114                                  | 1769                   | NA                                 | NA                        |
| <u>NVS 3100M</u>                               | 114                                  | 1772                   | NA                                 | NA                        |
| <u>Radeon HD 2400 Pro</u>                      | 114                                  | 1771                   | NA                                 | NA                        |
| <u>RADEON X800 GTO</u>                         | 114                                  | 1768                   | NA                                 | NA                        |
| <u>NVS 300</u>                                 | 113                                  | 1774                   | <a href="#">1.80</a>               | <a href="#">\$62.97*</a>  |

| Videocard Name                                     | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)            |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <a href="#">Quadro FX 560</a>                      | 113                                     | 1773                      | <a href="#">0.76</a>                  | <a href="#">\$150.25*</a> |
| <a href="#">FirePro 2260</a>                       | 112                                     | 1776                      | NA                                    | NA                        |
| <a href="#">GeForce 6800</a>                       | 112                                     | 1777                      | <a href="#">0.20</a>                  | <a href="#">\$559.29*</a> |
| <a href="#">Intel HD Modded</a>                    | 112                                     | 1779                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 Pro</a>                   | 112                                     | 1775                      | NA                                    | NA                        |
| <a href="#">Sapphire RADEON X800 GT</a>            | 112                                     | 1778                      | NA                                    | NA                        |
| <a href="#">GeForce 310M</a>                       | 111                                     | 1782                      | NA                                    | NA                        |
| <a href="#">GeForce 9200M GS</a>                   | 111                                     | 1781                      | NA                                    | NA                        |
| <a href="#">GeForce 9300 GS</a>                    | 111                                     | 1785                      | <a href="#">1.85</a>                  | <a href="#">\$59.95*</a>  |
| <a href="#">Mobility Radeon HD 3400 Serisi</a>     | 111                                     | 1783                      | NA                                    | NA                        |
| <a href="#">Quadro FX 570M</a>                     | 111                                     | 1784                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4200</a>                     | 111                                     | 1780                      | NA                                    | NA                        |
| <a href="#">FireGL V7350</a>                       | 110                                     | 1786                      | <a href="#">0.93</a>                  | <a href="#">\$119.42*</a> |
| <a href="#">GeForce 8500 GT</a>                    | 110                                     | 1787                      | NA                                    | NA                        |
| <a href="#">Radeon HD 2600 Pro AGP</a>             | 110                                     | 1788                      | NA                                    | NA                        |
| <a href="#">GeForce 6800 LE</a>                    | 109                                     | 1791                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4270</a>                     | 109                                     | 1789                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4330</a>                     | 109                                     | 1793                      | NA                                    | NA                        |
| <a href="#">VIA/S3G Chrome 645/640 GPU</a>         | 109                                     | 1792                      | NA                                    | NA                        |
| <a href="#">XFX Radeon HD 4650 AGP</a>             | 109                                     | 1790                      | NA                                    | NA                        |
| <a href="#">Quadro FX 370 LP</a>                   | 108                                     | 1795                      | NA                                    | NA                        |
| <a href="#">Radeon HD 6290</a>                     | 108                                     | 1794                      | NA                                    | NA                        |
| <a href="#">GeForce GT 320M</a>                    | 107                                     | 1796                      | NA                                    | NA                        |
| <a href="#">GeForce Go 6800</a>                    | 106                                     | 1799                      | NA                                    | NA                        |
| <a href="#">Radeon Infoshock 3000</a>              | 106                                     | 1797                      | NA                                    | NA                        |
| <a href="#">Radeon X1950 GT</a>                    | 106                                     | 1798                      | NA                                    | NA                        |
| <a href="#">GeForce G105M</a>                      | 105                                     | 1801                      | NA                                    | NA                        |
| <a href="#">GeForce9400M</a>                       | 105                                     | 1800                      | NA                                    | NA                        |
| <a href="#">GeForce 9450</a>                       | 104                                     | 1802                      | NA                                    | NA                        |
| <a href="#">M880G with Mobility Radeon HD 4250</a> | 104                                     | 1805                      | NA                                    | NA                        |
| <a href="#">Mobility Radeon X1700</a>              | 104                                     | 1803                      | NA                                    | NA                        |
| <a href="#">Quadro FX 3400/4400</a>                | 104                                     | 1804                      | NA                                    | NA                        |
| <a href="#">FireGL V3400</a>                       | 103                                     | 1810                      | NA                                    | NA                        |
| <a href="#">GeForce 9500M</a>                      | 103                                     | 1808                      | <a href="#">1.02</a>                  | <a href="#">\$101.20*</a> |
| <a href="#">GeForce 9500M GS</a>                   | 103                                     | 1807                      | NA                                    | NA                        |
| <a href="#">Quadro NVS 160M</a>                    | 103                                     | 1806                      | NA                                    | NA                        |
| <a href="#">Radeon HD 4350</a>                     | 103                                     | 1809                      | <a href="#">1.01</a>                  | <a href="#">\$102.24*</a> |

| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">GeForce 6800 GS/XT</a>                 | 102                                  | 1812                   | NA                                 | NA                        |
| <a href="#">GeForce 9400</a>                       | 102                                  | 1814                   | NA                                 | NA                        |
| <a href="#">GeForce 9400 GT</a>                    | 102                                  | 1813                   | <a href="#">0.64</a>               | <a href="#">\$159.99*</a> |
| <a href="#">Mobility Radeon HD 2400 XT</a>         | 102                                  | 1815                   | NA                                 | NA                        |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <a href="#">Quadro FX 370 Low Profile</a>          | 102                                  | 1811                   | NA                                 | NA                        |
| <a href="#">GeForce 8300</a>                       | 101                                  | 1817                   | <a href="#">4.48</a>               | <a href="#">\$22.68*</a>  |
| <a href="#">Quadro FX 4000</a>                     | 101                                  | 1818                   | NA                                 | NA                        |
| <a href="#">Quadro FX Go1400</a>                   | 101                                  | 1816                   | NA                                 | NA                        |
| <a href="#">GeForce 8300 GS</a>                    | 100                                  | 1819                   | NA                                 | NA                        |
| <a href="#">GeForce 8400M GS</a>                   | 98                                   | 1826                   | <a href="#">1.25</a>               | <a href="#">\$78.20*</a>  |
| <a href="#">GeForce G210</a>                       | 98                                   | 1821                   | <a href="#">0.81</a>               | <a href="#">\$122.12*</a> |
| <a href="#">Intel Media Accelerator HD</a>         | 98                                   | 1825                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 3430</a>            | 98                                   | 1824                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 4250</a>            | 98                                   | 1822                   | NA                                 | NA                        |
| <a href="#">Radeon 3000</a>                        | 98                                   | 1823                   | <a href="#">0.31</a>               | <a href="#">\$319.00*</a> |
| <a href="#">Radeon X1600 Pro</a>                   | 98                                   | 1820                   | NA                                 | NA                        |
| <a href="#">GeForce 210</a>                        | 97                                   | 1830                   | <a href="#">1.78</a>               | <a href="#">\$54.92*</a>  |
| <a href="#">GeForce 9300GE</a>                     | 97                                   | 1828                   | <a href="#">1.01</a>               | <a href="#">\$97.20*</a>  |
| <a href="#">ION LE</a>                             | 97                                   | 1827                   | NA                                 | NA                        |
| <a href="#">Quadro NVS 130M</a>                    | 97                                   | 1831                   | NA                                 | NA                        |
| <a href="#">RADEON X800 XT</a>                     | 97                                   | 1829                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD serie 4200</a>      | 96                                   | 1832                   | NA                                 | NA                        |
| <a href="#">GeForce 6700 XL</a>                    | 95                                   | 1835                   | NA                                 | NA                        |
| <a href="#">Radeon HD 3000</a>                     | 95                                   | 1833                   | NA                                 | NA                        |
| <a href="#">Radeon HD 6250</a>                     | 95                                   | 1834                   | NA                                 | NA                        |
| <a href="#">Matrox G200eW3 WDDM 2.0</a>            | 94                                   | 1837                   | NA                                 | NA                        |
| <a href="#">MEDION RADEON X740XL</a>               | 94                                   | 1836                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 3470</a>            | 93                                   | 1839                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 3470 Hybrid X2</a>  | 93                                   | 1838                   | NA                                 | NA                        |
| <a href="#">Quadro FX 370M</a>                     | 93                                   | 1840                   | NA                                 | NA                        |
| <a href="#">FireGL V5100</a>                       | 92                                   | 1843                   | <a href="#">0.81</a>               | <a href="#">\$114.96*</a> |
| <a href="#">GeForce 9300M GS</a>                   | 92                                   | 1846                   | <a href="#">2.12</a>               | <a href="#">\$43.42*</a>  |
| <a href="#">M880G with Mobility Radeon HD 4200</a> | 92                                   | 1842                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 4270</a>            | 92                                   | 1841                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon X1600</a>              | 92                                   | 1844                   | NA                                 | NA                        |
| <a href="#">nForce 780a SLI</a>                    | 92                                   | 1845                   | NA                                 | NA                        |

| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 8600 GS</u>                 | 91                                   | 1847                   | NA                                 | NA                        |
| <u>GeForce G205M</u>                   | 91                                   | 1849                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 3450</u>         | 91                                   | 1850                   | NA                                 | NA                        |
| <u>RADEON X600XT</u>                   | 91                                   | 1848                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 4200</u>         | 90                                   | 1851                   | NA                                 | NA                        |
| <u>GeForce 7500 LE</u>                 | 89                                   | 1853                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 2400</u>         | 89                                   | 1852                   | NA                                 | NA                        |
| <u>GeForce 6610 XL</u>                 | 88                                   | 1854                   | NA                                 | NA                        |
| <u>GeForce 8600M GT</u>                | 88                                   | 1855                   | <a href="#">0.81</a>               | <a href="#">\$108.10*</a> |
| <u>Quadro FX 360M</u>                  | 86                                   | 1856                   | NA                                 | NA                        |
| <u>GeForce 6600</u>                    | 85                                   | 1858                   | <a href="#">0.32</a>               | <a href="#">\$264.00*</a> |
| <u>Quadro FX 350</u>                   | 85                                   | 1857                   | NA                                 | NA                        |
| <u>ALL-IN-WONDER X800 GT</u>           | 84                                   | 1863                   | NA                                 | NA                        |
| <u>FireGL V3200</u>                    | 84                                   | 1859                   | NA                                 | NA                        |
| <u>GeForce 9300 GE</u>                 | 84                                   | 1865                   | <a href="#">3.66</a>               | <a href="#">\$22.99*</a>  |
| <u>GeForce 9300M G</u>                 | 84                                   | 1861                   | NA                                 | NA                        |
| <u>ION</u>                             | 84                                   | 1862                   | <a href="#">0.37</a>               | <a href="#">\$229.99*</a> |
| Videocard Name                         | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Radeon X1300 PRO</u>                | 84                                   | 1864                   | NA                                 | NA                        |
| <u>Radeon X1650 Pro</u>                | 84                                   | 1860                   | <a href="#">0.53</a>               | <a href="#">\$160.89*</a> |
| <u>RADEON X800 GT</u>                  | 84                                   | 1866                   | NA                                 | NA                        |
| <u>GeForce 999 GTX</u>                 | 83                                   | 1867                   | NA                                 | NA                        |
| <u>nForce 750a SLI</u>                 | 83                                   | 1869                   | NA                                 | NA                        |
| <u>Quadro FX 370</u>                   | 83                                   | 1868                   | <a href="#">0.67</a>               | <a href="#">\$125.00*</a> |
| <u>Radeon HD 3200</u>                  | 82                                   | 1870                   | NA                                 | NA                        |
| <u>GeForce 7300 GS</u>                 | 81                                   | 1875                   | NA                                 | NA                        |
| <u>GeForce 8400</u>                    | 81                                   | 1878                   | <a href="#">0.14</a>               | <a href="#">\$589.99*</a> |
| <u>GeForce 9100</u>                    | 81                                   | 1871                   | NA                                 | NA                        |
| <u>GeForce 9300 SE</u>                 | 81                                   | 1876                   | NA                                 | NA                        |
| <u>Intel G41 Express Chipset</u>       | 81                                   | 1881                   | NA                                 | NA                        |
| <u>MOBILITY FireGL V5000</u>           | 81                                   | 1874                   | NA                                 | NA                        |
| <u>Mobility Radeon 4100</u>            | 81                                   | 1880                   | NA                                 | NA                        |
| <u>Mobility Radeon X2500</u>           | 81                                   | 1873                   | NA                                 | NA                        |
| <u>nForce 980a/780a SLI</u>            | 81                                   | 1877                   | NA                                 | NA                        |
| <u>RADEON X800 XT Platinum Edition</u> | 81                                   | 1879                   | NA                                 | NA                        |
| <u>RADEON X850 XT</u>                  | 81                                   | 1882                   | NA                                 | NA                        |
| <u>RADEON X850 XT Platinum Edition</u> | 81                                   | 1872                   | NA                                 | NA                        |



| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">GeForce 7300 LE</a>                    | 80                                   | 1884                   | <a href="#">2.50</a>               | <a href="#">\$32.00*</a>  |
| <a href="#">Quadro FX 540</a>                      | 80                                   | 1883                   | <a href="#">1.35</a>               | <a href="#">\$59.99*</a>  |
| <a href="#">GeForce 8100 / nForce 720a</a>         | 79                                   | 1886                   | NA                                 | NA                        |
| <a href="#">RADEON X800GT</a>                      | 79                                   | 1885                   | NA                                 | NA                        |
| <a href="#">Intel G45/G43 Express Chipset</a>      | 78                                   | 1887                   | NA                                 | NA                        |
| <a href="#">Radeon HD 2350</a>                     | 76                                   | 1888                   | NA                                 | NA                        |
| <a href="#">M860G with Mobility Radeon 4100</a>    | 75                                   | 1890                   | NA                                 | NA                        |
| <a href="#">RADEON X700 PRO</a>                    | 75                                   | 1889                   | NA                                 | NA                        |
| <a href="#">GeForce 7350 LE</a>                    | 74                                   | 1895                   | NA                                 | NA                        |
| <a href="#">GeForce 9100M G</a>                    | 74                                   | 1894                   | NA                                 | NA                        |
| <a href="#">GeForce 9400M</a>                      | 74                                   | 1892                   | NA                                 | NA                        |
| <a href="#">Quadro NVS 295</a>                     | 74                                   | 1893                   | <a href="#">1.19</a>               | <a href="#">\$63.00*</a>  |
| <a href="#">Radeon X1650 GTO</a>                   | 74                                   | 1891                   | NA                                 | NA                        |
| <a href="#">FireMV 2450</a>                        | 73                                   | 1896                   | NA                                 | NA                        |
| <a href="#">Mobility Radeon HD 4300 Serisi</a>     | 73                                   | 1899                   | NA                                 | NA                        |
| <a href="#">Radeon 3100</a>                        | 73                                   | 1897                   | <a href="#">0.33</a>               | <a href="#">\$225.99*</a> |
| <a href="#">RADEON X800 PRO/GTO</a>                | 73                                   | 1898                   | NA                                 | NA                        |
| <a href="#">GeForce 8600M GS</a>                   | 72                                   | 1902                   | NA                                 | NA                        |
| <a href="#">RADEON X700</a>                        | 72                                   | 1901                   | NA                                 | NA                        |
| <a href="#">RADEON X850 PRO</a>                    | 72                                   | 1900                   | NA                                 | NA                        |
| <a href="#">FireGL V7100</a>                       | 71                                   | 1903                   | <a href="#">0.22</a>               | <a href="#">\$328.67*</a> |
| <a href="#">GeForce 8200M G</a>                    | 71                                   | 1904                   | NA                                 | NA                        |
| <a href="#">M880G with Mobility Radeon HD 4225</a> | 71                                   | 1906                   | NA                                 | NA                        |
| <a href="#">MEDION RADEON 9800 XXL</a>             | 71                                   | 1905                   | NA                                 | NA                        |
| <a href="#">Radeon X1650 SE</a>                    | 71                                   | 1908                   | NA                                 | NA                        |
| <a href="#">RADEON X700 SE</a>                     | 71                                   | 1907                   | NA                                 | NA                        |
| <a href="#">Diamond X1300-PCIE 256MB</a>           | 70                                   | 1912                   | NA                                 | NA                        |
| <a href="#">FireGL V3300</a>                       | 70                                   | 1910                   | NA                                 | NA                        |
| <a href="#">Quadro NVS 150M</a>                    | 70                                   | 1911                   | NA                                 | NA                        |
| <a href="#">Radeon X550XTX</a>                     | 70                                   | 1909                   | NA                                 | NA                        |
| Videocard Name                                     | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <a href="#">BASICDISPLAY</a>                       | 69                                   | 1914                   | NA                                 | NA                        |
| <a href="#">GeForce Go 6600</a>                    | 69                                   | 1915                   | NA                                 | NA                        |
| <a href="#">Quadro FX 3000</a>                     | 69                                   | 1918                   | <a href="#">0.41</a>               | <a href="#">\$166.61*</a> |
| <a href="#">Quadro NVS 420</a>                     | 69                                   | 1913                   | <a href="#">0.47</a>               | <a href="#">\$150.00*</a> |
| <a href="#">Radeon X1600 Pro / X1300XT</a>         | 69                                   | 1917                   | NA                                 | NA                        |
| <a href="#">RADEON X800 XL</a>                     | 69                                   | 1916                   | NA                                 | NA                        |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>FireGL V3350</u>                      | 68                                   | 1919                   | NA                                 | NA                        |
| <u>GeForce 8400 SE</u>                   | 68                                   | 1920                   | NA                                 | NA                        |
| <u>256MB RADEON X600</u>                 | 67                                   | 1924                   | <a href="#">0.42</a>               | <a href="#">\$160.49*</a> |
| <u>GeForce 9400M G</u>                   | 67                                   | 1923                   | NA                                 | NA                        |
| <u>Intel G45/G43/G41 Express Chipset</u> | 67                                   | 1921                   | NA                                 | NA                        |
| <u>Matrox G200eR WDDM 2.0</u>            | 67                                   | 1922                   | NA                                 | NA                        |
| <u>128MB DDR Radeon 9800 Pro</u>         | 66                                   | 1931                   | NA                                 | NA                        |
| <u>Intel B43 Express Chipset</u>         | 66                                   | 1930                   | NA                                 | NA                        |
| <u>Intel G33/G31 Express</u>             | 66                                   | 1928                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 4225</u>           | 66                                   | 1929                   | NA                                 | NA                        |
| <u>MOBILITY RADEON X700</u>              | 66                                   | 1925                   | NA                                 | NA                        |
| <u>Quadro NVS 135M</u>                   | 66                                   | 1926                   | NA                                 | NA                        |
| <u>Radeon X1550</u>                      | 66                                   | 1927                   | <a href="#">0.43</a>               | <a href="#">\$155.00*</a> |
| <u>GeForce G 105M</u>                    | 65                                   | 1933                   | NA                                 | NA                        |
| <u>GeForce Go 7400</u>                   | 65                                   | 1932                   | NA                                 | NA                        |
| <u>M71-M</u>                             | 64                                   | 1935                   | NA                                 | NA                        |
| <u>RADEON X800 PRO</u>                   | 64                                   | 1934                   | NA                                 | NA                        |
| <u>GeForce 8400M GT</u>                  | 63                                   | 1936                   | NA                                 | NA                        |
| <u>GeForce G 103M</u>                    | 63                                   | 1938                   | NA                                 | NA                        |
| <u>Quadro FX 550</u>                     | 63                                   | 1937                   | <a href="#">0.22</a>               | <a href="#">\$287.82*</a> |
| <u>128 DDR Radeon 9800 Pro</u>           | 62                                   | 1943                   | NA                                 | NA                        |
| <u>Intel HD manual-15.28-1861</u>        | 62                                   | 1940                   | NA                                 | NA                        |
| <u>MOBILITY FireGL V3200</u>             | 62                                   | 1942                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 3410</u>           | 62                                   | 1939                   | NA                                 | NA                        |
| <u>Quadro NVS 450</u>                    | 62                                   | 1941                   | <a href="#">0.39</a>               | <a href="#">\$159.00*</a> |
| <u>SAPPHIRE Radeon X1550</u>             | 61                                   | 1944                   | NA                                 | NA                        |
| <u>FireGL X1</u>                         | 59                                   | 1950                   | NA                                 | NA                        |
| <u>GeForce FX 5950 Ultra</u>             | 59                                   | 1949                   | NA                                 | NA                        |
| <u>Matrox G200e WDDM 1.2</u>             | 59                                   | 1948                   | NA                                 | NA                        |
| <u>MOBILITY RADEON X700 XL</u>           | 59                                   | 1945                   | NA                                 | NA                        |
| <u>Radeon 2100</u>                       | 59                                   | 1946                   | <a href="#">0.34</a>               | <a href="#">\$174.29*</a> |
| <u>RADEON 9800 PRO</u>                   | 59                                   | 1947                   | NA                                 | NA                        |
| <u>GeForce 6800 XE</u>                   | 58                                   | 1951                   | NA                                 | NA                        |
| <u>GeForce 8400M G</u>                   | 58                                   | 1952                   | NA                                 | NA                        |
| <u>Radeon X1300</u>                      | 58                                   | 1953                   | <a href="#">0.61</a>               | <a href="#">\$95.78*</a>  |
| <u>Intel - Express Chipset Q45/Q43</u>   | 57                                   | 1954                   | NA                                 | NA                        |
| <u>Intel G41 Express-Chipsatz</u>        | 57                                   | 1956                   | NA                                 | NA                        |

| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---------------------------------------|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Intel Q45/Q43 Express-Chipsatz</u> | 57                                   | 1957                   | NA                                 | NA                        |
| <u>RADEON 9800</u>                    | 57                                   | 1955                   | <a href="#">0.18</a>               | <a href="#">\$325.00*</a> |
| <u>Intel - Express Chipset G41</u>    | 56                                   | 1959                   | NA                                 | NA                        |
| <u>RADEON 9800 XT</u>                 | 56                                   | 1958                   | NA                                 | NA                        |
| <u>RADEON X550XT</u>                  | 56                                   | 1961                   | NA                                 | NA                        |
| <u>RADEON X600 256MB HyperMemory</u>  | 56                                   | 1960                   | NA                                 | NA                        |
| Videocard Name                        | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Mobile Intel 965 Express</u>       | 54                                   | 1962                   | NA                                 | NA                        |
| <u>GeForce 6200 TurboCache</u>        | 53                                   | 1964                   | NA                                 | NA                        |
| <u>RADEON 9700 PRO</u>                | 53                                   | 1963                   | NA                                 | NA                        |
| <u>FireGL V3100</u>                   | 52                                   | 1965                   | NA                                 | NA                        |
| <u>GeForce Go 7300</u>                | 52                                   | 1967                   | NA                                 | NA                        |
| <u>Radeon Xpress 1300</u>             | 52                                   | 1966                   | NA                                 | NA                        |
| <u>FirePro 2450</u>                   | 51                                   | 1973                   | <a href="#">0.57</a>               | <a href="#">\$89.99*</a>  |
| <u>GeForce 6600 LE</u>                | 51                                   | 1972                   | NA                                 | NA                        |
| <u>GeForce 7100 GS</u>                | 51                                   | 1969                   | NA                                 | NA                        |
| <u>GeForce FX Go5700</u>              | 51                                   | 1971                   | NA                                 | NA                        |
| <u>Matrox G200eh WDDM 1.2</u>         | 51                                   | 1968                   | NA                                 | NA                        |
| <u>RADEON E2400</u>                   | 51                                   | 1970                   | NA                                 | NA                        |
| <u>Matrox G200eW WDDM 1.2</u>         | 50                                   | 1977                   | NA                                 | NA                        |
| <u>Mobility Radeon HD 2300</u>        | 50                                   | 1975                   | NA                                 | NA                        |
| <u>MOBILITY RADEON X600</u>           | 50                                   | 1976                   | NA                                 | NA                        |
| <u>RADEON X550</u>                    | 50                                   | 1974                   | NA                                 | NA                        |
| <u>128MB RADEON X600 SE</u>           | 49                                   | 1981                   | <a href="#">0.87</a>               | <a href="#">\$56.18*</a>  |
| <u>MOBILITY RADEON X600 SE</u>        | 49                                   | 1979                   | NA                                 | NA                        |
| <u>Radeon X1050</u>                   | 49                                   | 1980                   | NA                                 | NA                        |
| <u>Radeon X1600</u>                   | 49                                   | 1978                   | NA                                 | NA                        |
| <u>GeForce 7300 SE/7200 GS</u>        | 48                                   | 1985                   | NA                                 | NA                        |
| <u>Mobility Radeon X2300</u>          | 48                                   | 1984                   | NA                                 | NA                        |
| <u>Mobility Radeon X2300 HD</u>       | 48                                   | 1982                   | NA                                 | NA                        |
| <u>Quadro NVS 140M</u>                | 48                                   | 1983                   | NA                                 | NA                        |
| <u>Quadro NVS 110M</u>                | 47                                   | 1987                   | NA                                 | NA                        |
| <u>Radeon X1550 64-bit</u>            | 47                                   | 1986                   | NA                                 | NA                        |
| <u>SAPPHIRE RADEON 9600 ATLANTIS</u>  | 47                                   | 1988                   | NA                                 | NA                        |
| <u>Matrox G200eh WDDM 2.0</u>         | 46                                   | 1990                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9800</u>           | 46                                   | 1991                   | NA                                 | NA                        |
| <u>Quadro NVS 120M</u>                | 46                                   | 1989                   | NA                                 | NA                        |

| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>FireMV 2250</u>                                | 45                                   | 1992                   | <a href="#">0.44</a>               | <a href="#">\$104.00*</a> |
| <u>GeForce Go 7200</u>                            | 45                                   | 1994                   | NA                                 | NA                        |
| <u>Matrox G200eR WDDM 1.2</u>                     | 45                                   | 1993                   | NA                                 | NA                        |
| <u>128 DDR Radeon 9700 TX w/TV-Out</u>            | 44                                   | 2000                   | NA                                 | NA                        |
| <u>GeForce Go 6600 TE/6200 TE</u>                 | 44                                   | 1996                   | NA                                 | NA                        |
| <u>Mobile Intel 4 Express-Chipsatzfamilie</u>     | 44                                   | 1999                   | NA                                 | NA                        |
| <u>Mobile Intel serie 4 Express</u>               | 44                                   | 1998                   | NA                                 | NA                        |
| <u>MOBILITY FireGL V5200</u>                      | 44                                   | 1995                   | NA                                 | NA                        |
| <u>Quadro FX 350M</u>                             | 44                                   | 1997                   | NA                                 | NA                        |
| <u>Mobile Intel 45 Express</u>                    | 43                                   | 2001                   | NA                                 | NA                        |
| <u>Matrox M9138 LP PCIe x16</u>                   | 42                                   | 2005                   | NA                                 | NA                        |
| <u>Mobility Radeon X1400</u>                      | 42                                   | 2002                   | NA                                 | NA                        |
| <u>RADEON 9600 PRO</u>                            | 42                                   | 2003                   | NA                                 | NA                        |
| <u>Radeon Xpress 1250</u>                         | 42                                   | 2004                   | NA                                 | NA                        |
| <u>GeForce FX 5900 Ultra</u>                      | 41                                   | 2007                   | NA                                 | NA                        |
| <u>RADEON 9500 PRO / 9700</u>                     | 41                                   | 2006                   | NA                                 | NA                        |
| <u>GeForce FX 5700</u>                            | 40                                   | 2009                   | NA                                 | NA                        |
| <u>GeForce FX 5900XT</u>                          | 40                                   | 2013                   | NA                                 | NA                        |
| <u>Gigabyte RADEON X300</u>                       | 40                                   | 2008                   | NA                                 | NA                        |
| Videocard Name                                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Matrox G200eh</u>                              | 40                                   | 2011                   | NA                                 | NA                        |
| <u>MOBILITY FIREGL T2</u>                         | 40                                   | 2010                   | NA                                 | NA                        |
| <u>Radeon Xpress 1300M</u>                        | 40                                   | 2012                   | NA                                 | NA                        |
| <u>GeForce 7050 / nForce 620i</u>                 | 39                                   | 2021                   | NA                                 | NA                        |
| <u>GeForce 7300 SE</u>                            | 39                                   | 2020                   | NA                                 | NA                        |
| <u>GIGABYTE RADEON 9600 PRO</u>                   | 39                                   | 2019                   | NA                                 | NA                        |
| <u>Matrox G200eW</u>                              | 39                                   | 2015                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9600/9700</u>                  | 39                                   | 2018                   | NA                                 | NA                        |
| <u>Mobility Radeon X1300</u>                      | 39                                   | 2016                   | NA                                 | NA                        |
| <u>Mobility Radeon X1350</u>                      | 39                                   | 2014                   | NA                                 | NA                        |
| <u>S3 Chrome 430 ULP</u>                          | 39                                   | 2017                   | NA                                 | NA                        |
| <u>GeForce 6500</u>                               | 38                                   | 2024                   | NA                                 | NA                        |
| <u>Mobile Intel - famiglia Express Chipset 45</u> | 38                                   | 2023                   | NA                                 | NA                        |
| <u>Quadro NVS 285</u>                             | 38                                   | 2022                   | <a href="#">0.23</a>               | <a href="#">\$169.86*</a> |
| <u>Quadro NVS 285 128MB</u>                       | 38                                   | 2025                   | <a href="#">0.70</a>               | <a href="#">\$55.00*</a>  |
| <u>RADEON X300SE</u>                              | 38                                   | 2026                   | NA                                 | NA                        |
| <u>256MB DDR Radeon 9800 XT</u>                   | 37                                   | 2028                   | NA                                 | NA                        |

| Videocard Name                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|-----------------------------------|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 6200SE TurboCache</u>  | 37                                   | 2031                   | NA                                 | NA                        |
| <u>GeForce 7050 / nForce 630i</u> | 37                                   | 2027                   | NA                                 | NA                        |
| <u>Quadro NVS 440</u>             | 37                                   | 2029                   | <a href="#">0.16</a>               | <a href="#">\$228.87*</a> |
| <u>Radeon X1250</u>               | 37                                   | 2030                   | NA                                 | NA                        |
| <u>CONNECT 3D RADEON X300</u>     | 36                                   | 2033                   | NA                                 | NA                        |
| <u>FireMV 2200 PCIe</u>           | 36                                   | 2035                   | <a href="#">0.40</a>               | <a href="#">\$89.99*</a>  |
| <u>Matrox G200eR</u>              | 36                                   | 2032                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9600</u>       | 36                                   | 2036                   | NA                                 | NA                        |
| <u>RADEON 9500</u>                | 36                                   | 2034                   | <a href="#">0.90</a>               | <a href="#">\$40.50*</a>  |
| <u>GeForce 6200</u>               | 35                                   | 2039                   | <a href="#">0.35</a>               | <a href="#">\$99.99*</a>  |
| <u>GeForce 7100 / nForce 630i</u> | 35                                   | 2040                   | NA                                 | NA                        |
| <u>Quadro FX 1100</u>             | 35                                   | 2037                   | <a href="#">0.17</a>               | <a href="#">\$212.99*</a> |
| <u>RADEON 9600 XT</u>             | 35                                   | 2041                   | NA                                 | NA                        |
| <u>Radeon Xpress 1200</u>         | 35                                   | 2038                   | NA                                 | NA                        |
| <u>GeForce FX 5700 Ultra</u>      | 34                                   | 2047                   | NA                                 | NA                        |
| <u>GeForce FX 5900</u>            | 34                                   | 2044                   | NA                                 | NA                        |
| <u>GeForce PCX 5750</u>           | 34                                   | 2042                   | NA                                 | NA                        |
| <u>GeForce PCX 5900</u>           | 34                                   | 2048                   | NA                                 | NA                        |
| <u>Quadro FX 1000</u>             | 34                                   | 2046                   | NA                                 | NA                        |
| <u>Quadro FX 1300</u>             | 34                                   | 2045                   | NA                                 | NA                        |
| <u>RADEON 9550</u>                | 34                                   | 2043                   | <a href="#">0.12</a>               | <a href="#">\$291.74*</a> |
| <u>Radeon Xpress 1100</u>         | 34                                   | 2049                   | NA                                 | NA                        |
| <u>GeForce 6150 LE</u>            | 33                                   | 2054                   | NA                                 | NA                        |
| <u>GeForce 7025 / nForce 630a</u> | 33                                   | 2050                   | NA                                 | NA                        |
| <u>GeForce 7150 / nForce 630i</u> | 33                                   | 2057                   | NA                                 | NA                        |
| <u>GeForce FX 5700VE</u>          | 33                                   | 2056                   | NA                                 | NA                        |
| <u>MOBILITY FIREGL T2/T2e</u>     | 33                                   | 2052                   | NA                                 | NA                        |
| <u>Mobility Radeon X1450</u>      | 33                                   | 2055                   | NA                                 | NA                        |
| <u>MOBILITY RADEON X300</u>       | 33                                   | 2051                   | NA                                 | NA                        |
| <u>S3 Chrome S27 DDR3</u>         | 33                                   | 2053                   | NA                                 | NA                        |
| <u>GeForce 6200 A-LE</u>          | 32                                   | 2062                   | NA                                 | NA                        |
| <u>GeForce FX 5900ZT</u>          | 32                                   | 2059                   | NA                                 | NA                        |
| Videocard Name                    | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Intel Media Accelerator</u>    | 32                                   | 2058                   | NA                                 | NA                        |
| <u>Matrox M9148 LP PCIe x16</u>   | 32                                   | 2061                   | NA                                 | NA                        |
| <u>Radeon X1200</u>               | 32                                   | 2060                   | NA                                 | NA                        |
| <u>Matrox M9128 LP PCIe x16</u>   | 31                                   | 2063                   | NA                                 | NA                        |

| Videocard Name   | Passmark G3D Mark<br>(higher is better) | Rank<br>(lower is better) | Videocard Value<br>(higher is better) | Price<br>(USD)           |
|--|---|---------------------------|---------------------------------------|--------------------------|
| <a href="#">Radeon X1270</a>                             | 31                                      | 2065                      | NA                                    | NA                       |
| <a href="#">Red Hat QXL controller</a>                   | 31                                      | 2064                      | NA                                    | NA                       |
| <a href="#">All-in-Wonder X1800XL</a>                    | 30                                      | 2070                      | NA                                    | NA                       |
| <a href="#">FireGL T2-128</a>                            | 30                                      | 2067                      | NA                                    | NA                       |
| <a href="#">GeForce 7050 PV / nForce 630a</a>            | 30                                      | 2068                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON 9550</a>                     | 30                                      | 2069                      | NA                                    | NA                       |
| <a href="#">OpenXT Display Driver</a>                    | 30                                      | 2066                      | NA                                    | NA                       |
| <a href="#">GeForce 6150SE nForce 430</a>                | 29                                      | 2071                      | NA                                    | NA                       |
| <a href="#">Radeon 9550 / X1050</a>                      | 29                                      | 2074                      | NA                                    | NA                       |
| <a href="#">Radeon Xpress 1150</a>                       | 29                                      | 2072                      | NA                                    | NA                       |
| <a href="#">RADEON XPRESS 200</a>                        | 29                                      | 2073                      | NA                                    | NA                       |
| <a href="#">GeForce 6200 LE</a>                          | 28                                      | 2075                      | <a href="#">0.69</a>                  | <a href="#">\$41.24*</a> |
| <a href="#">GeForce 6100</a>                             | 27                                      | 2079                      | NA                                    | NA                       |
| <a href="#">MOBILITY FireGL V5250</a>                    | 27                                      | 2077                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON 9700</a>                     | 27                                      | 2076                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON XPRESS 200</a>               | 27                                      | 2080                      | NA                                    | NA                       |
| <a href="#">RADEON 9600SE</a>                            | 27                                      | 2078                      | NA                                    | NA                       |
| <a href="#">GeForce 7100 / nForce 620i</a>               | 26                                      | 2083                      | NA                                    | NA                       |
| <a href="#">RADEON 9600 PRO Family</a>                   | 26                                      | 2081                      | NA                                    | NA                       |
| <a href="#">Radeon Xpress 1270</a>                       | 26                                      | 2082                      | NA                                    | NA                       |
| <a href="#">GeForce 6100 nForce 400</a>                  | 25                                      | 2088                      | NA                                    | NA                       |
| <a href="#">GeForce 6100 nForce 420</a>                  | 25                                      | 2087                      | NA                                    | NA                       |
| <a href="#">Matrox M9120 Plus LP PCIe x16</a>            | 25                                      | 2085                      | NA                                    | NA                       |
| <a href="#">Matrox M9125 PCIe x16</a>                    | 25                                      | 2086                      | NA                                    | NA                       |
| <a href="#">PHDGD Sapphire GR for Mobile Intel 965</a>   | 25                                      | 2084                      | NA                                    | NA                       |
| <a href="#">RADEON 9600 Family</a>                       | 25                                      | 2089                      | NA                                    | NA                       |
| <a href="#">GeForce 6100 nForce 405</a>                  | 24                                      | 2090                      | NA                                    | NA                       |
| <a href="#">GeForce 6150SE</a>                           | 24                                      | 2092                      | NA                                    | NA                       |
| <a href="#">GeForce 7050 / nForce 610i</a>               | 24                                      | 2094                      | NA                                    | NA                       |
| <a href="#">GeForce FX 5700LE</a>                        | 24                                      | 2093                      | NA                                    | NA                       |
| <a href="#">GeForce Go 6400</a>                          | 24                                      | 2095                      | NA                                    | NA                       |
| <a href="#">Mobile Intel 965 Express-Chipsatzfamilie</a> | 24                                      | 2096                      | NA                                    | NA                       |
| <a href="#">MOBILITY RADEON 9600 PRO TURBO</a>           | 24                                      | 2091                      | NA                                    | NA                       |
| <a href="#">ALL-IN-WONDER 9800</a>                       | 23                                      | 2100                      | NA                                    | NA                       |
| <a href="#">GeForce 6100 nForce 430</a>                  | 23                                      | 2102                      | NA                                    | NA                       |
| <a href="#">GeForce 7200 GS</a>                          | 23                                      | 2101                      | NA                                    | NA                       |
| <a href="#">Matrox M9140 LP PCIe x16</a>                 | 23                                      | 2099                      | NA                                    | NA                       |

| Videocard Name                                      | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">Quadro NVS 210S</a>                     | 23                                   | 2097                   | NA                                 | NA                        |
| <a href="#">RADEON 9800 SE</a>                      | 23                                   | 2098                   | NA                                 | NA                        |
| <a href="#">RADEON A9800XT</a>                      | 22                                   | 2104                   | NA                                 | NA                        |
| <a href="#">RADEON XPRESS 200M</a>                  | 22                                   | 2105                   | NA                                 | NA                        |
| <a href="#">S3 Chrome S25</a>                       | 22                                   | 2103                   | NA                                 | NA                        |
| <a href="#">9xx Soldiers sans frontiers Sigma 2</a> | 21                                   | 2107                   | NA                                 | NA                        |
| <a href="#">GeForce 6150</a>                        | 21                                   | 2106                   | <a href="#">0.07</a>               | <a href="#">\$329.00*</a> |
| <a href="#">PHDGD Solo 2 x64</a>                    | 20                                   | 2109                   | NA                                 | NA                        |
| Videocard Name                                      | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <a href="#">Quadro NVS 210S / GeForce 6150LE</a>    | 20                                   | 2108                   | NA                                 | NA                        |
| <a href="#">GeForce Go 6150</a>                     | 19                                   | 2111                   | NA                                 | NA                        |
| <a href="#">Matrox M9120 PCIe x16</a>               | 19                                   | 2110                   | NA                                 | NA                        |
| <a href="#">GeForce 7150M / nForce 630M</a>         | 18                                   | 2115                   | NA                                 | NA                        |
| <a href="#">Quadro FX 2000</a>                      | 18                                   | 2117                   | NA                                 | NA                        |
| <a href="#">QXL KMDOD</a>                           | 18                                   | 2112                   | NA                                 | NA                        |
| <a href="#">RADEON 9600 TX Family</a>               | 18                                   | 2114                   | NA                                 | NA                        |
| <a href="#">RADEON XPRESS 200 CROSSFIRE</a>         | 18                                   | 2116                   | NA                                 | NA                        |
| <a href="#">S3 Chrome S25 DDR2</a>                  | 18                                   | 2113                   | NA                                 | NA                        |
| <a href="#">GeForce FX 5600 Ultra</a>               | 17                                   | 2121                   | NA                                 | NA                        |
| <a href="#">GeForce FX Go 5600</a>                  | 17                                   | 2119                   | NA                                 | NA                        |
| <a href="#">GeForce Go 6100</a>                     | 17                                   | 2118                   | NA                                 | NA                        |
| <a href="#">Mobile Intel965 Express</a>             | 17                                   | 2120                   | NA                                 | NA                        |
| <a href="#">GeForce FX Go5650</a>                   | 16                                   | 2122                   | NA                                 | NA                        |
| <a href="#">GRID V100-8Q</a>                        | 16                                   | 2123                   | NA                                 | NA                        |
| <a href="#">GeForce Go 6200</a>                     | 15                                   | 2125                   | NA                                 | NA                        |
| <a href="#">NV44</a>                                | 15                                   | 2124                   | NA                                 | NA                        |
| <a href="#">Quadro FX 500/600 PCI</a>               | 14                                   | 2126                   | NA                                 | NA                        |
| <a href="#">Radeon HD 2400 PCI</a>                  | 14                                   | 2127                   | NA                                 | NA                        |
| <a href="#">GeForce 7000M</a>                       | 13                                   | 2129                   | NA                                 | NA                        |
| <a href="#">Intel 82945G Express</a>                | 13                                   | 2128                   | NA                                 | NA                        |
| <a href="#">GeForce 7000M / nForce 610M</a>         | 12                                   | 2130                   | NA                                 | NA                        |
| <a href="#">GeForce FX 5200 Ultra</a>               | 12                                   | 2133                   | NA                                 | NA                        |
| <a href="#">GeForce FX 5600</a>                     | 12                                   | 2131                   | NA                                 | NA                        |
| <a href="#">GeForce FX Go5300</a>                   | 12                                   | 2132                   | NA                                 | NA                        |
| <a href="#">FireMV 2400 PCIe</a>                    | 11                                   | 2135                   | NA                                 | NA                        |
| <a href="#">GeForce FX 5200SE</a>                   | 11                                   | 2134                   | NA                                 | NA                        |
| <a href="#">PHDGD Solo 1.2.0 x86</a>                | 11                                   | 2137                   | NA                                 | NA                        |



| Videocard Name                                       | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>RGH Drivers v3</u>                                | 11                                   | 2136                   | NA                                 | NA                        |
| <u>Familia Intel Q33 Express Chipset</u>             | 10                                   | 2140                   | NA                                 | NA                        |
| <u>Master X3100 Driver</u>                           | 10                                   | 2138                   | NA                                 | NA                        |
| <u>MOBILITY IGP 9000/9100</u>                        | 10                                   | 2139                   | NA                                 | NA                        |
| <u>ASUS A7000</u>                                    | 9                                    | 2143                   | NA                                 | NA                        |
| <u>GeForce FX 5600XT</u>                             | 9                                    | 2144                   | NA                                 | NA                        |
| <u>Matrox Parhelia 256MB</u>                         | 9                                    | 2141                   | NA                                 | NA                        |
| <u>VIA Chrome9 HD IGP</u>                            | 9                                    | 2142                   | NA                                 | NA                        |
| <u>GeCube RADEON 7000</u>                            | 8                                    | 2145                   | NA                                 | NA                        |
| <u>GeForce FX 5500</u>                               | 8                                    | 2148                   | <a href="#">0.05</a>               | <a href="#">\$153.97*</a> |
| <u>GeForce FX Go 5200</u>                            | 8                                    | 2146                   | NA                                 | NA                        |
| <u>Intel 82945G Express-Chipsatzfamilie</u>          | 8                                    | 2151                   | NA                                 | NA                        |
| <u>Intel Q35 Embedded</u>                            | 8                                    | 2147                   | NA                                 | NA                        |
| <u>Mobile Intel 965 Express - BR-0907-0461 v1839</u> | 8                                    | 2149                   | NA                                 | NA                        |
| <u>Quadro NVS 280 PCI</u>                            | 8                                    | 2150                   | <a href="#">0.06</a>               | <a href="#">\$130.00*</a> |
| <u>ASUS V9520-X V62.11</u>                           | 7                                    | 2154                   | NA                                 | NA                        |
| <u>Famille de jeu de puces Express Intel 946GZ</u>   | 7                                    | 2157                   | NA                                 | NA                        |
| <u>GeForce FX 5100</u>                               | 7                                    | 2153                   | NA                                 | NA                        |
| <u>GeForce FX 5200</u>                               | 7                                    | 2156                   | <a href="#">0.06</a>               | <a href="#">\$129.00*</a> |
| <u>GeForce FX 5200LE</u>                             | 7                                    | 2160                   | <a href="#">0.16</a>               | <a href="#">\$42.99*</a>  |
| <u>GeForce4 Ti 4400</u>                              | 7                                    | 2159                   | NA                                 | NA                        |
| Videocard Name                                       | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>Intel US15 Embedded Media and Controller</u>      | 7                                    | 2158                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9000 IGP</u>                      | 7                                    | 2152                   | NA                                 | NA                        |
| <u>Quadro FX 500/FX 600</u>                          | 7                                    | 2155                   | NA                                 | NA                        |
| <u>GeForce PCX 5300</u>                              | 6                                    | 2170                   | NA                                 | NA                        |
| <u>GeForce2 Ultra</u>                                | 6                                    | 2168                   | NA                                 | NA                        |
| <u>GeForce4 MX Integrated GPU</u>                    | 6                                    | 2166                   | NA                                 | NA                        |
| <u>GeForce4 Ti 4800 SE</u>                           | 6                                    | 2162                   | NA                                 | NA                        |
| <u>Intel Media Accelerator 600</u>                   | 6                                    | 2161                   | NA                                 | NA                        |
| <u>Matrox Millennium P690 Plus LP PCIe x16</u>       | 6                                    | 2163                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 7000 IGP</u>                      | 6                                    | 2169                   | NA                                 | NA                        |
| <u>Quadro NVS 55/280 PCI</u>                         | 6                                    | 2172                   | NA                                 | NA                        |
| <u>Quadro4 380 XGL</u>                               | 6                                    | 2164                   | NA                                 | NA                        |
| <u>RADEON 8500 Family</u>                            | 6                                    | 2165                   | NA                                 | NA                        |
| <u>RADEON 9100 Family</u>                            | 6                                    | 2171                   | NA                                 | NA                        |

| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>RADEON IGP 350M</u>                   | 6                                    | 2173                   | NA                                 | NA                        |
| <u>V9560XT V62.11</u>                    | 6                                    | 2167                   | NA                                 | NA                        |
| <u>64MB DDR GeForce3 Ti 200</u>          | 5                                    | 2179                   | NA                                 | NA                        |
| <u>ALL-IN-WONDER RADEON 8500DV</u>       | 5                                    | 2183                   | NA                                 | NA                        |
| <u>GeForce 256</u>                       | 5                                    | 2193                   | <a href="#">0.12</a>               | <a href="#">\$42.04*</a>  |
| <u>GeForce4 420 Go 32M</u>               | 5                                    | 2188                   | NA                                 | NA                        |
| <u>GeForce4 440 Go 64M</u>               | 5                                    | 2174                   | NA                                 | NA                        |
| <u>GeForce4 448 Go</u>                   | 5                                    | 2185                   | NA                                 | NA                        |
| <u>GeForce4 Ti 4200</u>                  | 5                                    | 2184                   | NA                                 | NA                        |
| <u>GeForce4 Ti 4600</u>                  | 5                                    | 2186                   | <a href="#">0.10</a>               | <a href="#">\$53.99*</a>  |
| <u>GeForce4 Ti 4800</u>                  | 5                                    | 2176                   | NA                                 | NA                        |
| <u>Intel 82915G Express</u>              | 5                                    | 2180                   | NA                                 | NA                        |
| <u>Matrox Millennium P650 PCIe 128</u>   | 5                                    | 2189                   | NA                                 | NA                        |
| <u>Matrox Parhelia APVe</u>              | 5                                    | 2182                   | NA                                 | NA                        |
| <u>Mobile Intel 945GM Express</u>        | 5                                    | 2177                   | NA                                 | NA                        |
| <u>Mobile Intel 945GM/GU Express</u>     | 5                                    | 2190                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9000/9100 IGP</u>     | 5                                    | 2181                   | NA                                 | NA                        |
| <u>Quadro 280 NVS PCIe</u>               | 5                                    | 2178                   | NA                                 | NA                        |
| <u>Quadro4 980 XGL</u>                   | 5                                    | 2194                   | <a href="#">0.01</a>               | <a href="#">\$341.43*</a> |
| <u>RADEON 9100 IGP</u>                   | 5                                    | 2187                   | NA                                 | NA                        |
| <u>SAPPHIRE RADEON 9000 ATLANTIS PRO</u> | 5                                    | 2191                   | NA                                 | NA                        |
| <u>VIA/S3G UniChromell</u>               | 5                                    | 2175                   | NA                                 | NA                        |
| <u>Xabre</u>                             | 5                                    | 2192                   | NA                                 | NA                        |
| <u>ALL-IN-WONDER 9000</u>                | 4                                    | 2197                   | NA                                 | NA                        |
| <u>ASUS AGP-V3800PRO v31.40H</u>         | 4                                    | 2217                   | NA                                 | NA                        |
| <u>Dell 8200</u>                         | 4                                    | 2219                   | NA                                 | NA                        |
| <u>GeForce2 Go</u>                       | 4                                    | 2223                   | NA                                 | NA                        |
| <u>GeForce2 Integrated GPU</u>           | 4                                    | 2218                   | NA                                 | NA                        |
| <u>GeForce2 MX with DVI-D and TV-out</u> | 4                                    | 2201                   | NA                                 | NA                        |
| <u>GeForce2 Ti</u>                       | 4                                    | 2210                   | NA                                 | NA                        |
| <u>GeForce3</u>                          | 4                                    | 2198                   | NA                                 | NA                        |
| <u>GeForce3 Ti 200</u>                   | 4                                    | 2225                   | NA                                 | NA                        |
| <u>GeForce4 440</u>                      | 4                                    | 2195                   | NA                                 | NA                        |
| <u>GeForce4 MX 4000</u>                  | 4                                    | 2216                   | NA                                 | NA                        |
| <u>GeForce4 MX 420</u>                   | 4                                    | 2202                   | NA                                 | NA                        |
| Videocard Name                           | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>GeForce4 MX 440</u>                   | 4                                    | 2213                   | NA                                 | NA                        |

| Videocard Name  | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce4 MX 440 with AGP8X</u>                         | 4                                    | 2199                   | NA                                 | NA                        |
| <u>GeForce4 MX 440SE</u>                                  | 4                                    | 2212                   | NA                                 | NA                        |
| <u>GeForce4 MX 460</u>                                    | 4                                    | 2222                   | NA                                 | NA                        |
| <u>Intel 82865G Controller</u>                            | 4                                    | 2206                   | NA                                 | NA                        |
| <u>Intel 915G,910G Express</u>                            | 4                                    | 2227                   | NA                                 | NA                        |
| <u>Intel 915G/915GV/910GL Embedded Controller Functio</u> | 4                                    | 2208                   | NA                                 | NA                        |
| <u>Intel 945G Embedded Chipset Function 0</u>             | 4                                    | 2215                   | NA                                 | NA                        |
| <u>Intel Q33 Express</u>                                  | 4                                    | 2207                   | NA                                 | NA                        |
| <u>MOBILITY FIREGL 7800</u>                               | 4                                    | 2203                   | NA                                 | NA                        |
| <u>MOBILITY/RADEON 9000</u>                               | 4                                    | 2224                   | NA                                 | NA                        |
| <u>Quadro2 MXR/EX</u>                                     | 4                                    | 2214                   | NA                                 | NA                        |
| <u>Quadro4 900 XGL</u>                                    | 4                                    | 2196                   | NA                                 | NA                        |
| <u>RADEON 7500 Family</u>                                 | 4                                    | 2204                   | NA                                 | NA                        |
| <u>RADEON 9000</u>  | 4                                    | 2209                   | NA                                 | NA                        |
| <u>VIA Chrome9 HC IGP</u>                                 | 4                                    | 2220                   | NA                                 | NA                        |
| <u>VIA/S3G KM400/KN400</u>                                | 4                                    | 2226                   | NA                                 | NA                        |
| <u>VIA/S3G UniChrome IGP</u>                              | 4                                    | 2221                   | NA                                 | NA                        |
| <u>VIA/S3G UniChrome Pro IGP</u>                          | 4                                    | 2205                   | NA                                 | NA                        |
| <u>WinFast A250 LE</u>                                    | 4                                    | 2200                   | NA                                 | NA                        |
| <u>XGI Volari Family v1.13.23.D_V</u>                     | 4                                    | 2211                   | NA                                 | NA                        |
| <u>ABIT Siluro T400</u>                                   | 3                                    | 2231                   | NA                                 | NA                        |
| <u>AMIGAMERLIN 3.1-R1 For Voodoo 4 4500 PCI</u>           | 3                                    | 2257                   | NA                                 | NA                        |
| <u>GeForce 6200A</u>                                      | 3                                    | 2239                   | <a href="#">0.07</a>               | <a href="#">\$54.99*</a>  |
| <u>GeForce2 GTS/GeForce2 Pro</u>                          | 3                                    | 2228                   | NA                                 | NA                        |
| <u>GeForce2 MX 100/200</u>                                | 3                                    | 2253                   | NA                                 | NA                        |
| <u>GeForce2 MX/MX 400</u>                                 | 3                                    | 2230                   | NA                                 | NA                        |
| <u>GeForce4 420 Go</u>                                    | 3                                    | 2250                   | NA                                 | NA                        |
| <u>GeForce4 4200 Go</u>                                   | 3                                    | 2229                   | NA                                 | NA                        |
| <u>GeForce4 440 Go</u>                                    | 3                                    | 2236                   | NA                                 | NA                        |
| <u>Intel 82915G/915GV/910GL</u>                           | 3                                    | 2237                   | NA                                 | NA                        |
| <u>Intel 82915G/GV/910GL Express</u>                      | 3                                    | 2259                   | NA                                 | NA                        |
| <u>Intel 865 Embedded Controller</u>                      | 3                                    | 2238                   | NA                                 | NA                        |
| <u>Intel 946GZ Embedded Chipset Function 0</u>            | 3                                    | 2254                   | NA                                 | NA                        |
| <u>Intel 946GZ Express</u>                                | 3                                    | 2249                   | NA                                 | NA                        |
| <u>Intel Media Accelerator 500</u>                        | 3                                    | 2245                   | NA                                 | NA                        |
| <u>Matrox Parhelia 128MB</u>                              | 3                                    | 2247                   | <a href="#">0.01</a>               | <a href="#">\$393.99*</a> |

| Videocard Name                               | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>MOBILITY RADEON 7500</u>                  | 3                                    | 2241                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9000</u>                  | 3                                    | 2252                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9200</u>                  | 3                                    | 2261                   | NA                                 | NA                        |
| <u>RADEON 7000 / RADEON VE Family</u>        | 3                                    | 2233                   | NA                                 | NA                        |
| <u>RADEON 7500</u>                           | 3                                    | 2255                   | <a href="#">0.02</a>               | <a href="#">\$177.25*</a> |
| <u>RADEON 9000 Family</u>                    | 3                                    | 2243                   | NA                                 | NA                        |
| <u>RADEON 9200</u>                           | 3                                    | 2240                   | <a href="#">0.02</a>               | <a href="#">\$153.63*</a> |
| <u>RADEON IGP 320</u>                        | 3                                    | 2235                   | NA                                 | NA                        |
| <u>Radeon IGP 320M</u>                       | 3                                    | 2242                   | NA                                 | NA                        |
| <u>Rage Fury Pro/Xpert 2000 Pro</u>          | 3                                    | 2258                   | NA                                 | NA                        |
| <u>RIVA TNT2 Model 64/Model 64 Pro</u>       | 3                                    | 2234                   | NA                                 | NA                        |
| <u>RIVA TNT2/TNT2 Pro</u>                    | 3                                    | 2246                   | NA                                 | NA                        |
| Videocard Name                               | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
| <u>S3 Inc. Savage4</u>                       | 3                                    | 2256                   | NA                                 | NA                        |
| <u>Vanta/Vanta LT</u>                        | 3                                    | 2260                   | NA                                 | NA                        |
| <u>VIA Chrome9 HC IGP Family</u>             | 3                                    | 2232                   | NA                                 | NA                        |
| <u>VIA Chrome9 HC IGP Family WDDM</u>        | 3                                    | 2244                   | NA                                 | NA                        |
| <u>VIA Chrome9 HC IGP WDDM 1.1</u>           | 3                                    | 2248                   | NA                                 | NA                        |
| <u>VIA/S3G DeltaChrome IGP</u>               | 3                                    | 2251                   | NA                                 | NA                        |
| <u>64MB GeForce2 MX with TV Out</u>          | 2                                    | 2276                   | NA                                 | NA                        |
| <u>Dell 8100</u>                             | 2                                    | 2282                   | <a href="#">0.00</a>               | <a href="#">\$999.11*</a> |
| <u>GeForce2 MX</u>                           | 2                                    | 2268                   | NA                                 | NA                        |
| <u>GeForce3 Ti 500</u>                       | 2                                    | 2278                   | NA                                 | NA                        |
| <u>Intel 82845G Controller</u>               | 2                                    | 2284                   | NA                                 | NA                        |
| <u>Intel 82845G/GL Controller</u>            | 2                                    | 2273                   | NA                                 | NA                        |
| <u>Intel 82845G/GL/GE/PE/GV Controller</u>   | 2                                    | 2264                   | NA                                 | NA                        |
| <u>Intel 82915G/GV/910GL Advanced v3.5</u>   | 2                                    | 2272                   | NA                                 | NA                        |
| <u>Intel GMA 3150 Express</u>                | 2                                    | 2279                   | NA                                 | NA                        |
| <u>Intel Media Accelerator 3150</u>          | 2                                    | 2263                   | NA                                 | NA                        |
| <u>Mobile Intel 915GM/GMS/910GML Express</u> | 2                                    | 2285                   | NA                                 | NA                        |
| <u>MOBILITY RADEON 9100 IGP</u>              | 2                                    | 2262                   | NA                                 | NA                        |
| <u>Quadro NVS 280 SD</u>                     | 2                                    | 2281                   | NA                                 | NA                        |
| <u>Radeon 7000 / Radeon VE</u>               | 2                                    | 2270                   | NA                                 | NA                        |
| <u>RADEON 7200</u>                           | 2                                    | 2265                   | <a href="#">0.00</a>               | <a href="#">\$599.99*</a> |
| <u>RADEON 9200 LE Family</u>                 | 2                                    | 2274                   | NA                                 | NA                        |
| <u>RADEON 9200 PRO Family</u>                | 2                                    | 2266                   | NA                                 | NA                        |
| <u>RADEON 9200 SE</u>                        | 2                                    | 2277                   | NA                                 | NA                        |

| Videocard Name   | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD)               |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <a href="#">RADEON 9250</a>                            | 2                                    | 2275                   | <a href="#">0.01</a>               | <a href="#">\$194.00*</a> |
| <a href="#">Radeon IGP 340M</a>                        | 2                                    | 2280                   | NA                                 | NA                        |
| <a href="#">RADEON IGP 345M</a>                        | 2                                    | 2269                   | NA                                 | NA                        |
| <a href="#">Radeon VE</a>                              | 2                                    | 2286                   | NA                                 | NA                        |
| <a href="#">VIA Chrome9 HC IGP Prerelease WDDM 1.1</a> | 2                                    | 2283                   | NA                                 | NA                        |
| <a href="#">VIA Chrome9 HC IGP WDDM</a>                | 2                                    | 2267                   | NA                                 | NA                        |
| <a href="#">VIA Chrome9 HC3 IGP</a>                    | 2                                    | 2271                   | NA                                 | NA                        |
| <a href="#">FireMV 2200 PCI</a>                        | 1                                    | 2299                   | NA                                 | NA                        |
| <a href="#">IGP 340M</a>                               | 1                                    | 2293                   | NA                                 | NA                        |
| <a href="#">Intel 82852/82855 GM/GME Controller</a>    | 1                                    | 2296                   | NA                                 | NA                        |
| <a href="#">Intel Extreme Controller</a>               | 1                                    | 2287                   | NA                                 | NA                        |
| <a href="#">Mobile Intel 945 Express</a>               | 1                                    | 2292                   | NA                                 | NA                        |
| <a href="#">Quadro2 Pro</a>                            | 1                                    | 2298                   | NA                                 | NA                        |
| <a href="#">RADEON IGP 34xM</a>                        | 1                                    | 2291                   | NA                                 | NA                        |
| <a href="#">Rage 128 Pro</a>                           | 1                                    | 2295                   | NA                                 | NA                        |
| <a href="#">RAGE 128 PRO AGP 4X TMDS</a>               | 1                                    | 2297                   | NA                                 | NA                        |
| <a href="#">S3 ProSavageDDR</a>                        | 1                                    | 2294                   | NA                                 | NA                        |
| <a href="#">S3 SuperSavage/IXC 1014</a>                | 1                                    | 2288                   | NA                                 | NA                        |
| <a href="#">VIA Chrome9 HCM IGP</a>                    | 1                                    | 2290                   | NA                                 | NA                        |
| <a href="#">VisionTek Radeon 7000</a>                  | 1                                    | 2289                   | NA                                 | NA                        |

\* - Last price seen from our affiliates.

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