

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.

VIDEO CARD

High End

High Mid Range

Low Mid Range

Low End

Best Value

Common

Market Share (30 Days)

Compare

Video Card Mega List

Search Model

GPU Compute

Video Card Chart

Power Performance

Video Card Chart

Single Video Card

Find Videocard

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| Radeon RX 6900 XT | 26937 | 1 | 15.85 | \$1,699.99 |
| GeForce RTX 3080 Ti | 26732 | 2 | 15.10 | \$1,769.99 |
| GeForce RTX 3090 | 25887 | 3 | 7.54 | \$3,434.99 |
| GeForce RTX 3080 | 24450 | 4 | 15.29 | \$1,599.00 |
| RTX A5000 | 24276 | 5 | NA | NA |
| RTX A6000 | 23382 | 6 | 4.68 | \$4,999.00 |
| Radeon RX 6800 XT | 23301 | 7 | 16.44 | \$1,417.22 |
| GeForce RTX 3070 Ti | 22470 | 8 | 16.21 | \$1,385.99 |
| GeForce RTX 3070 | 21870 | 9 | 17.64 | \$1,239.99 |
| GeForce RTX 2080 Ti | 21692 | 10 | 18.83 | \$1,151.91 |
| Radeon RX 6800 | 20725 | 11 | 13.37 | \$1,549.99 |
| RTX A5000 Laptop GPU | 20141 | 12 | NA | NA |
| Quadro RTX 6000 | 19951 | 13 | 3.17 | \$6,300.00* |
| TITAN RTX | 19875 | 14 | 4.19 | \$4,747.89 |
| RTX A4000 | 19722 | 15 | 16.62 | \$1,186.99 |
| GeForce RTX 3060 Ti | 19645 | 16 | 19.92 | \$985.98 |
| GeForce RTX 2080 SUPER | 19497 | 17 | 16.99 | \$1,147.59 |
| Quadro RTX 8000 | 19477 | 18 | 4.11 | \$4,741.49* |
| Radeon RX 6700 XT | 19061 | 19 | 21.66 | \$879.99 |
| TITAN V | 18990 | 20 | 7.30 | \$2,599.99 |
| TITAN Xp | 18874 | 21 | NA | NA |
| GeForce RTX 2080 | 18659 | 22 | 19.79 | \$942.99 |
| TITAN Xp COLLECTORS EDITION | 18302 | 23 | NA | NA |
| NVIDIA TITAN Xp | 18280 | 24 | 10.21 | \$1,790.00 |
| GeForce RTX 2070 SUPER | 18149 | 25 | 20.54 | \$883.51 |
| GeForce GTX 1080 Ti | 18045 | 26 | 20.72 | \$870.85 |

| <u>Radeon PRO W6800</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--|---------------------------|--|-----------------------------|
| <u>TITAN V CEO Edition</u> | 16987 | 29 | NA | NA |
| <u>Radeon VII</u> | 16973 | 30 | 6.29 | \$2,699.99* |
| <u>Radeon RX 5700 XT</u> | 16840 | 31 | 14.98 | \$1,124.00 |
| <u>Radeon RX 5700 XT 50th Anniversary</u> | 16674 | 32 | NA | NA |

| <u>GeForce RTX 3060</u> | 16619 | 33 | 50.51 | \$329.00* |
|---|--|---------------------------|---------------------------------------|-----------------------------|
| <u>GeForce RTX 2060 SUPER</u> | 16448 | 35 | 39.16 | \$419.99 |
| <u>Quadro P6000</u> | 16448 | 34 | 5.06 | \$3,250.00* |
| <u>Quadro RTX 5000</u> | 16397 | 36 | NA | NA |
| <u>GeForce RTX 3080 Laptop GPU</u> | 16341 | 37 | NA | NA |
| <u>Tesla V100-SXM2-16GB</u> | 16235 | 38 | NA | NA |
| <u>GeForce RTX 2070</u> | 16108 | 39 | 20.14 | \$799.99 |
| <u>Quadro GP100</u> | 15548 | 40 | NA | NA |
| <u>Quadro RTX 4000</u> | 15547 | 41 | 17.29 | \$899.00* |
| <u>Radeon RX 6600 XT</u> | 15458 | 42 | 22.08 | \$699.99 |
| <u>RTX A4000 Laptop GPU</u> | 15202 | 43 | NA | NA |
| <u>Radeon Pro W5700</u> | 15157 | 44 | 13.66 | \$1,109.99* |
| <u>GeForce GTX 1080</u> | 15137 | 45 | 25.29 | \$598.45 |
| <u>GeForce RTX 2080 (Mobile)</u> | 15107 | 46 | NA | NA |
| <u>Quadro RTX 5000 (Mobile)</u> | 14832 | 48 | NA | NA |
| <u>Radeon PRO W6600</u> | 14832 | 47 | NA | NA |
| <u>Radeon Pro Vega II</u> | 14737 | 49 | NA | NA |
| <u>Radeon RX 5700</u> | 14721 | 50 | 47.49 | \$309.99* |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>GeForce RTX 2070 Super with Max-Q Design</u> | 14673 | 51 | NA | NA |
| <u>Radeon Pro Vega 64X</u> | 14630 | -1 | NA | NA |
| <u>Radeon RX Vega 64</u> | 14626 | 52 | 11.71 | \$1,249.10 |
| <u>GeForce RTX 3070 Laptop GPU</u> | 14531 | 53 | NA | NA |
| <u>RTX A3000 Laptop GPU</u> | 14346 | 54 | NA | NA |
| <u>GeForce GTX 1070 Ti</u> | 14335 | 55 | 25.33 | \$565.99 |
| <u>GeForce RTX 2080 Super with Max-Q Design</u> | 14130 | 56 | NA | NA |
| <u>Radeon Pro WX 8200</u> | 14039 | 57 | 8.79 | \$1,597.71 |
| <u>Quadro RTX 5000 with Max-Q Design</u> | 13978 | 58 | NA | NA |
| <u>Radeon Vega Frontier Edition</u> | 13928 | 59 | 8.29 | \$1,680.00 |
| <u>GeForce GTX 980 Ti</u> | 13896 | 60 | 26.18 | \$530.80 |
| <u>GeForce RTX 2060</u> | 13884 | 61 | 22.80 | \$608.99 |

| <u>Radeon RX 5600 XT</u> | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | <u>\$1,024.10</u> Price (USD) |
|---------------------------|--|---------------------------|--|-------------------------------------|
| Videocard Name | | | | |
| <u>NVIDIA TITAN X</u> | 13039 | 64 | <u>22.40</u> | <u>\$890.10</u> |
| <u>Radeon RX Vega 56</u> | 13613 | 65 | <u>12.86</u> | <u>\$1,059.00</u> |
| <u>Radeon Pro WX 9100</u> | 13437 | 66 | NA | NA |
| <u>GeForce GTX 1070</u> | 13402 | 67 | <u>28.46</u> | <u>\$470.95</u> |

| | | | | |
|---|--|---------------------------|---------------------------------------|--------------------|
| <u>Tesla T10</u> | 13263 | -1 | NA | NA |
| <u>Quadro RTX 4000 with Max-Q Design</u> | 13199 | 68 | NA | NA |
| <u>GeForce GTX TITAN X</u> | 13105 | 69 | <u>15.61</u> | <u>\$839.33</u> |
| <u>Radeon Pro V520 MxGPU</u> | 12852 | 70 | NA | NA |
| <u>Quadro RTX 4000 (Mobile)</u> | 12831 | 71 | NA | NA |
| <u>Quadro GV100</u> | 12721 | 72 | <u>1.41</u> | <u>\$8,999.00*</u> |
| <u>GeForce GTX 1660 SUPER</u> | 12691 | 73 | <u>22.07</u> | <u>\$574.96</u> |
| <u>Quadro M6000 24GB</u> | 12600 | 74 | NA | NA |
| <u>GeForce RTX 2070 (Mobile)</u> | 12354 | 75 | NA | NA |
| <u>GeForce RTX 3060 Laptop GPU</u> | 12273 | 76 | <u>14.73</u> | <u>\$833.29</u> |
| <u>GeForce RTX 2070 with Max-Q Design</u> | 12215 | 77 | NA | NA |
| <u>Radeon Pro Vega 56</u> | 12209 | 78 | NA | NA |
| <u>Radeon Pro 5700 XT</u> | 12075 | 79 | NA | NA |
| <u>Quadro P4200 with Max-Q Design</u> | 11869 | 80 | NA | NA |
| <u>Radeon Pro 5700</u> | 11844 | 81 | NA | NA |
| <u>Quadro P5000</u> | 11836 | 82 | <u>5.98</u> | <u>\$1,980.00</u> |
| <u>Quadro P5200</u> | 11808 | 83 | NA | NA |
| <u>GeForce GTX 1660 Ti</u> | 11795 | 85 | <u>19.66</u> | <u>\$599.99</u> |
| <u>RTX A2000 Laptop GPU</u> | 11795 | 84 | NA | NA |
| <u>GeForce GTX 1660</u> | 11616 | 86 | <u>24.52</u> | <u>\$473.72</u> |
| <u>Quadro P4000</u> | 11479 | 87 | <u>10.25</u> | <u>\$1,120.00</u> |
| <u>Radeon Pro Vega 64</u> | 11455 | 88 | NA | NA |
| <u>Tesla T4</u> | 11397 | 89 | <u>4.87</u> | <u>\$2,338.99</u> |
| <u>Radeon Pro Vega 48</u> | 11383 | 90 | NA | NA |
| <u>GeForce RTX 2060 (Mobile)</u> | 11354 | 91 | NA | NA |
| <u>Quadro RTX 3000</u> | 11285 | 92 | NA | NA |
| <u>GeForce GTX 980</u> | 11269 | 93 | <u>36.82</u> | <u>\$306.10</u> |
| <u>Quadro M6000</u> | 11212 | 94 | <u>7.03</u> | <u>\$1,595.00</u> |
| <u>GeForce GTX 1080 with Max-Q Design</u> | 11205 | 95 | NA | NA |
| <u>Quadro P5200 with Max-Q Design</u> | 10905 | 96 | NA | NA |
| <u>Radeon RX 5600</u> | 10879 | 97 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |

| <u>Radeon Pro SSG</u> Videocard Name | Passmark G3D 10497 Mark (higher is | Rank (lower is | Videocard Value (higher is | NA Price (lower |
|---|---|-------------------|----------------------------------|-----------------------|
| <u>Radeon Instinct MI25 MxGPU</u> | 10466 | 100 | NA | NA |
| <u>GeForce GTX 1070 (Mobile)</u> | 10465 | 101 | NA | NA |
| <u>GeForce GTX 1070 with Max-Q Design</u> | 10176 | 102 | NA | NA |
| <u>GeForce GTX 1660 Ti (Mobile)</u> | 10176 | 103 | NA | NA |

| | | | | |
|--|-------|-----|-----------------------|----------------------------|
| <u>Quadro P4200</u> | 10124 | 104 | NA | NA |
| <u>Radeon R9 Fury X</u> | 10044 | 105 | NA | NA |
| <u>GeForce GTX 1650 SUPER</u> | 9952 | 106 | 24.72 | \$402.58 |
| <u>GeForce GTX 1060</u> | 9847 | 107 | 25.31 | \$389.11 |
| <u>GeForce RTX 2060 with Max-Q Design</u> | 9779 | 108 | NA | NA |
| <u>Radeon R9 Fury + Fury X</u> | 9741 | 109 | 20.29 | \$479.99 |
| <u>GeForce GTX 970</u> | 9735 | 110 | 32.13 | \$303.00 |
| <u>GeForce GTX 1060 3GB</u> | 9684 | 111 | 26.98 | \$359.00 |
| <u>GeForce RTX 3050 Ti Laptop GPU</u> | 9674 | 112 | NA | NA |
| <u>Radeon R9 Fury</u> | 9673 | 113 | 21.83 | \$443.10* |
| <u>Quadro P2200</u> | 9657 | 114 | 19.71 | \$489.99 |
| <u>Radeon RX 590</u> | 9621 | 115 | 16.06 | \$598.98 |
| <u>Radeon R9 390X</u> | 9523 | 116 | NA | NA |
| <u>Radeon Ryzen 9 4900HSS</u> | 9460 | -1 | NA | NA |
| <u>Quadro M5000</u> | 9455 | 117 | 14.16 | \$667.66 |
| <u>GeForce RTX 3050 Laptop GPU</u> | 9383 | 118 | NA | NA |
| <u>Radeon Pro W5500</u> | 9272 | 119 | 19.40 | \$477.99 |
| <u>Quadro P3200 with Max-Q Design</u> | 9237 | 120 | NA | NA |
| <u>GeForce GTX 780 Ti</u> | 9179 | 121 | 28.24 | \$325.00 |
| <u>GeForce GTX TITAN Black</u> | 9176 | 122 | 17.23 | \$532.63 |
| <u>Radeon Pro Duo</u> | 9161 | 123 | 7.67 | \$1,194.95 |
| <u>Radeon RX 5500 XT</u> | 9144 | 124 | 51.42 | \$177.86 |
| <u>GeForce GTX TITAN Z</u> | 9133 | 125 | 6.59 | \$1,385.00 |
| <u>Quadro P4000 with Max-Q Design</u> | 9082 | 126 | NA | NA |
| <u>Radeon R9 390</u> | 8969 | 127 | NA | NA |
| <u>Radeon RX 580</u> | 8867 | 128 | 17.32 | \$512.04 |
| <u>Radeon Ryzen 7 4800HS</u> | 8841 | 129 | NA | NA |
| <u>Radeon RX 5500</u> | 8795 | 130 | NA | NA |
| <u>Radeon R9 290X</u> | 8773 | 131 | NA | NA |
| <u>Radeon RX 480</u> | 8649 | 132 | 18.44 | \$469.00 |
| <u>GeForce GTX 1660 Ti with Max-Q Design</u> | 8647 | 133 | NA | NA |
| <u>Quadro RTX 3000 with Max-Q Design</u> | 8639 | 134 | NA | NA |
| <u>Radeon Pro Duo</u> | 8555 | 135 | NA | NA |

| | | | | |
|------------------------------|-------------------|-------------------|-----------------------|--------------------------|
| <u>Radeon RX590 GME</u> | 8627 | 135 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| Radeon Ryzen 9 4900HS | 8673 | (lower is better) | (higher is better) | (USD) |
| <u>Radeon R9 290</u> | 8428 | 138 | NA | NA |
| <u>Radeon R9 290X / 390X</u> | 8389 | 139 | 14.49 | \$579.00 |
| <u>Quadro P3200</u> | 8358 | 140 | NA | NA |
| <u>Radeon RX 6800M</u> | 8294 | 141 | NA | NA |

| | | | | |
|--|--------------------|-------------------|-----------------------|-----------------------------|
| <u>Radeon Pro 5500 XT</u> | 8289 | 142 | NA | NA |
| <u>15FF</u> | 8229 | 143 | NA | NA |
| <u>Radeon R9 295X2</u> | 8167 | 144 | 16.37 | \$499.10* |
| <u>GeForce GTX 1060 (Mobile)</u> | 8160 | 145 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| | (higher is better) | (lower is better) | (higher is better) | (USD) |
| <u>Radeon R9 290 / 390</u> | 8150 | 146 | 17.91 | \$454.99 |
| <u>Quadro K6000</u> | 8070 | 147 | 17.58 | \$459.00 |
| <u>GeForce GTX 780</u> | 8030 | 148 | 27.22 | \$295.00 |
| <u>Radeon RX 470/570</u> | 8021 | 149 | 20.05 | \$399.99 |
| <u>Tesla M40</u> | 7950 | -1 | 13.36 | \$595.00 |
| <u>Radeon Ryzen 5 4600HS</u> | 7942 | -1 | NA | NA |
| <u>GeForce GTX 1060 with Max-Q Design</u> | 7916 | 150 | NA | NA |
| <u>Quadro M5500</u> | 7915 | 151 | NA | NA |
| <u>Radeon RX 580 2048SP</u> | 7825 | 152 | NA | NA |
| <u>Radeon RX 580X</u> | 7798 | 153 | NA | NA |
| <u>Radeon Pro WX 7100</u> | 7787 | 154 | 6.23 | \$1,250.00 |
| <u>GeForce GTX 1650</u> | 7755 | 155 | 50.51 | \$153.55 |
| <u>Radeon Pro 580</u> | 7753 | 156 | NA | NA |
| <u>FirePro W9100</u> | 7750 | 157 | 3.78 | \$2,050.00 |
| <u>Tesla M60</u> | 7691 | 158 | 5.51 | \$1,395.00* |
| <u>Radeon RX 5600M</u> | 7619 | 159 | NA | NA |
| <u>T1000</u> | 7612 | 160 | 19.18 | \$396.99 |
| <u>GeForce GTX 1060 5GB</u> | 7550 | 161 | 16.78 | \$449.86 |
| <u>Radeon Pro 580X</u> | 7540 | 162 | NA | NA |
| <u>Radeon Pro 5300</u> | 7520 | 163 | NA | NA |
| <u>Tesla M6</u> | 7509 | 164 | 32.79 | \$229.00 |
| <u>GeForce GTX 1650 Ti</u> | 7469 | 165 | NA | NA |
| <u>T600 Laptop GPU</u> | 7455 | 166 | NA | NA |
| <u>Ryzen 7 5800HS with Radeon Graphics</u> | 7391 | -1 | NA | NA |
| <u>T1200 Laptop GPU</u> | 7365 | 167 | NA | NA |
| <u>Radeon RX 5300</u> | 7349 | 168 | NA | NA |
| <u>RadeonT RX 5300</u> | 7321 | 169 | NA | NA |

| <u>GeForce GTX 980M</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | <u>\$289.99*</u> Price (USD) |
|---|--|---------------------------|--|------------------------------------|
| <u>Tesla P100-PCIe-16GB</u> | 7225 | 172 | NA | NA |
| <u>Quadro T2000</u> | 7126 | 173 | NA | NA |
| <u>T600</u> | 7061 | 174 | <u>23.78</u> | <u>\$297.00*</u> |
| <u>Quadro P2000</u> | 7023 | 175 | <u>12.78</u> | <u>\$549.69</u> |

| <u>Ryzen 7 4800HS with Radeon Graphics</u> | 6999 | -1 | NA | NA |
|--|--|---------------------------|---------------------------------------|-------------------|
| <u>Ryzen 9 5900HX with Radeon Graphics</u> | 6972 | 176 | NA | NA |
| <u>GeForce GTX 1650 (Mobile)</u> | 6968 | 177 | NA | NA |
| <u>Quadro T2000 with Max-Q Design</u> | 6926 | 178 | NA | NA |
| <u>Quadro M5000M</u> | 6881 | 179 | <u>13.76</u> | <u>\$499.95*</u> |
| <u>Radeon RX Vega M GH</u> | 6759 | 180 | NA | NA |
| <u>Quadro M4000M</u> | 6714 | 181 | <u>15.99</u> | <u>\$420.00*</u> |
| <u>GeForce GTX 970XM FORCE</u> | 6706 | 182 | NA | NA |
| <u>Radeon R9 285</u> | 6680 | -1 | NA | NA |
| <u>Radeon Ryzen 7 4800H</u> | 6638 | 183 | NA | NA |
| <u>Radeon Pro 5500M</u> | 6633 | 184 | NA | NA |
| <u>Quadro M4000</u> | 6614 | 185 | <u>16.54</u> | <u>\$399.99</u> |
| <u>Quadro T1000</u> | 6491 | 186 | <u>15.10</u> | <u>\$429.99</u> |
| <u>Quadro T1000 with Max-Q Design</u> | 6473 | 187 | NA | NA |
| <u>Radeon Pro 570</u> | 6336 | 188 | NA | NA |
| <u>GeForce GTX 1050 Ti</u> | 6328 | 189 | <u>24.23</u> | <u>\$261.20</u> |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>FirePro S7150</u> | 6276 | 190 | <u>5.02</u> | <u>\$1,250.00</u> |
| <u>Radeon R9 280X</u> | 6247 | 191 | NA | NA |
| <u>GeForce GTX 1650 Ti with Max-Q Design</u> | 6244 | 192 | NA | NA |
| <u>Radeon R9 380</u> | 6233 | 193 | <u>69.27</u> | <u>\$89.99*</u> |
| <u>Quadro P3000</u> | 6153 | 194 | NA | NA |
| <u>FirePro W9000</u> | 6138 | 195 | <u>7.31</u> | <u>\$840.00</u> |
| <u>Radeon R9 380X</u> | 6092 | 196 | <u>11.74</u> | <u>\$519.00</u> |
| <u>Radeon Pro WX Vega M GL</u> | 6049 | 197 | NA | NA |
| <u>GeForce GTX 960</u> | 6037 | 198 | <u>36.53</u> | <u>\$165.28</u> |
| <u>GRID P100-16Q</u> | 5944 | 199 | NA | NA |
| <u>Radeon Pro Vega 20</u> | 5942 | 200 | NA | NA |
| <u>Quadro K5200</u> | 5920 | 201 | <u>10.21</u> | <u>\$580.00</u> |
| <u>GeForce GTX 1050 Ti (Mobile)</u> | 5918 | 202 | NA | NA |
| <u>GeForce GTX 970M</u> | 5908 | 203 | <u>28.13</u> | <u>\$209.99*</u> |
| <u>GeForce GTX 770</u> | 5872 | 204 | <u>29.56</u> | <u>\$198.66</u> |

| GeForce GTX 1650 with Max-Q Design Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|---------------------------|
| Radeon Pro 5300M | 5713 | 207 | NA | NA |
| Quadro M3000M | 5635 | 208 | 35.23 | \$159.95* |
| GeForce GTX 690 | 5625 | 209 | 19.86 | \$283.25 |
| Radeon R9 280 | 5602 | 210 | NA | NA |

| GeForce GTX 1050 Ti with Max-Q Design | 5568 | 211 | NA | NA |
|---|--|---------------------------|---------------------------------------|-----------------------------|
| Radeon HD 7990 | 5565 | 212 | 13.91 | \$399.99* |
| Radeon Pro WX 5100 | 5562 | 213 | 5.68 | \$980.00 |
| Radeon R9 285 / 380 | 5549 | 214 | 11.59 | \$479.00 |
| GRID M60-8A | 5523 | 215 | NA | NA |
| GeForce GTX 680 | 5506 | 216 | 9.26 | \$595.00 |
| GeForce GTX 760 Ti OEM | 5427 | 217 | NA | NA |
| GeForce GTX 950 | 5406 | 218 | 27.17 | \$199.00 |
| GeForce GTX 670 | 5334 | 219 | 14.58 | \$366.00 |
| Radeon HD 7970 / R9 280X | 5247 | 220 | 20.49 | \$256.13 |
| FirePro S10000 | 5235 | 221 | NA | NA |
| Radeon HD 8990 | 5214 | 222 | NA | NA |
| GeForce GTX 1050 | 5165 | 223 | 26.36 | \$195.99 |
| Q12U-1 | 5164 | 224 | NA | NA |
| Radeon R9 M295X | 5150 | 225 | 3.55 | \$1,449.00* |
| GeForce GTX 760 Ti | 5130 | 226 | 17.25 | \$297.50* |
| FirePro S9000 | 5059 | 227 | NA | NA |
| Radeon R9 M395 | 5023 | 228 | NA | NA |
| P106-100 | 5022 | 229 | NA | NA |
| EIZO Quadro MED-XN51LP | 4955 | 230 | NA | NA |
| Quadro P2000 with Max-Q Design | 4948 | 231 | NA | NA |
| Barco MXRT 7600 | 4943 | 232 | 8.27 | \$597.99 |
| Radeon R9 270X | 4898 | 233 | 14.84 | \$330.00 |
| FirePro W7100 | 4883 | 234 | 6.61 | \$739.00 |
| Radeon R9 M485X | 4842 | 235 | NA | NA |
| GRID RTX6000P-6Q | 4776 | 236 | NA | NA |
| Radeon R9 M395X | 4775 | 237 | NA | NA |
| GeForce GTX 760 | 4773 | 238 | 25.94 | \$184.00 |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| Radeon HD 7950 / R9 280 | 4764 | 239 | 19.06 | \$249.99 |
| Radeon Sky 500 | 4736 | 240 | NA | NA |
| GRID P40-24Q | 4727 | 241 | NA | NA |

| <u>Radeon R9 370</u> Videocard Name | Passmark G3D 4722 Mark (higher is | Bank (lower is | Videocard value (higher is | \$440.79 Price (lower |
|--|--|-------------------|----------------------------------|-----------------------------|
| <u>Radeon HD 7870</u> | 4671 | 244 | 23.36 | \$199.99 |
| <u>B8DKMDAP</u> | 4557 | 245 | NA | NA |
| <u>Radeon Pro 465</u> | 4537 | 246 | NA | NA |
| <u>GeForce GTX 580</u> | 4478 | 247 | 15.99 | \$279.99 |

| | | | | |
|---|------|-----|-----------------------|---------------------------|
| <u>Radeon HD 7870 XT</u> | 4469 | 248 | NA | NA |
| <u>Quadro P1000</u> | 4468 | 249 | 12.84 | \$348.14 |
| <u>GeForce GTX 1050 (Mobile)</u> | 4461 | 250 | NA | NA |
| <u>Radeon R7 370</u> | 4459 | 251 | NA | NA |
| <u>GRID M60-1B</u> | 4456 | 252 | NA | NA |
| <u>P104-100</u> | 4449 | -1 | 14.83 | \$299.99* |
| <u>Citrix Indirect Display Adapter</u> | 4446 | 253 | NA | NA |
| <u>GRID P6-4Q</u> | 4429 | 254 | NA | NA |
| <u>Quadro M2200</u> | 4414 | 255 | 17.66 | \$249.99* |
| <u>GeForce GTX 660 Ti</u> | 4375 | 256 | 19.03 | \$229.99 |
| <u>Radeon R9 M390X</u> | 4356 | 257 | NA | NA |
| <u>FirePro W7000 Adapter</u> | 4339 | 258 | NA | NA |
| <u>Quadro K4200</u> | 4328 | 259 | 18.03 | \$240.00 |
| <u>Barco MXRT 7500</u> | 4319 | 260 | 14.45 | \$299.00 |
| <u>GRID M60-2Q</u> | 4315 | 261 | NA | NA |
| <u>Radeon R9 270</u> | 4306 | 262 | NA | NA |
| <u>FirePro W7000</u> | 4287 | 264 | 12.65 | \$339.00 |
| <u>GRID P40-2Q</u> | 4287 | 263 | NA | NA |
| <u>GRID RTX6000P-4Q</u> | 4283 | -1 | NA | NA |
| <u>GRID T4-8Q</u> | 4283 | -1 | NA | NA |
| <u>GeForce GTX 680MX</u> | 4270 | 265 | NA | NA |
| <u>Radeon R9 270 / R7 370</u> | 4259 | 266 | 10.02 | \$425.00 |
| <u>GRID M60-1Q</u> | 4250 | 267 | NA | NA |
| <u>GeForce GTX 775M</u> | 4222 | 268 | NA | NA |
| <u>FirePro S7000</u> | 4166 | 269 | 16.90 | \$246.54* |
| <u>GRID V100D-8Q</u> | 4155 | 270 | NA | NA |
| <u>Radeon RX 560X</u> | 4123 | 271 | NA | NA |
| <u>Radeon RX 460</u> | 4095 | 272 | 6.92 | \$592.00 |
| <u>GeForce GTX 480</u> | 4068 | 273 | 27.12 | \$149.99 |
| <u>GeForce GTX 880M</u> | 4058 | 274 | NA | NA |
| <u>GeForce GTX 1050 with Max-Q Design</u> | 4048 | 275 | NA | NA |
| <u>GRID GTX P40-6</u> | 4043 | -1 | NA | NA |

| | | | | |
|-----------------------------|-------------------|-------------------|-----------------------|--------------------------|
| <u>Radeon HD 7800-serie</u> | 4029 | 276 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| GeForce GTX 965M | 4016 | (lower is better) | NA | NA |
| <u>GeForce GTX 660</u> | 3981 | 279 | 23.42 | \$169.99 |
| <u>Quadro M2000</u> | 3962 | 280 | 13.71 | \$289.00 |
| <u>GRID RTX8000-4Q</u> | 3960 | -1 | NA | NA |
| <u>GeForce GTX 750 Ti</u> | 3931 | 281 | 33.19 | \$118.43 |

| | | | | |
|---|--------------------|-------------------|-----------------------|-----------------------------|
| <u>Radeon RX 5500M</u> | 3926 | 282 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| | (higher is better) | (lower is better) | (higher is better) | (USD) |
| <u>Quadro K5000</u> | 3921 | 283 | 11.14 | \$352.00 |
| <u>FirePro S9050</u> | 3911 | -1 | NA | NA |
| <u>GRID M60-8Q</u> | 3883 | 284 | NA | NA |
| <u>Quadro K2200M</u> | 3882 | 285 | 31.08 | \$124.95* |
| <u>Radeon HD 8970M</u> | 3876 | 286 | 27.69 | \$139.99* |
| <u>FirePro W7170M</u> | 3849 | 287 | NA | NA |
| <u>GeForce GTX 570</u> | 3848 | 288 | 16.45 | \$234.00 |
| <u>GRID RTX8000P-2Q</u> | 3843 | -1 | NA | NA |
| <u>GRID P100-8Q</u> | 3841 | 289 | NA | NA |
| <u>GRID M60-4Q</u> | 3831 | 290 | NA | NA |
| <u>Radeon Pro WX 4100</u> | 3798 | 291 | 9.26 | \$409.99 |
| <u>Radeon HD 7850</u> | 3769 | 292 | 23.56 | \$159.99* |
| <u>GeForce MX450</u> | 3736 | 294 | NA | NA |
| <u>T500</u> | 3736 | 283 | NA | NA |
| <u>Radeon Pro 560X</u> | 3677 | 295 | NA | NA |
| <u>Quadro P620</u> | 3673 | 296 | 16.12 | \$227.87 |
| <u>GeForce GTX 780M</u> | 3666 | 297 | 7.35 | \$499.00* |
| <u>Radeon RX 560</u> | 3620 | 298 | 21.78 | \$166.22 |
| <u>Radeon HD 7970M</u> | 3619 | 299 | NA | NA |
| <u>Quadro M2000M</u> | 3585 | 300 | 12.81 | \$279.95* |
| <u>GeForce GTX 680M KY_Bullet Edition</u> | 3568 | 301 | NA | NA |
| <u>GRID M6-8Q</u> | 3568 | 302 | NA | NA |
| <u>Quadro K2200</u> | 3539 | 303 | 12.43 | \$284.82 |
| <u>Tesla C2050</u> | 3515 | 304 | 13.02 | \$269.99* |
| <u>Quadro 7000</u> | 3505 | 305 | NA | NA |
| <u>T400</u> | 3499 | 306 | NA | NA |
| <u>Tesla M10</u> | 3490 | 307 | 1.30 | \$2,690.00 |
| <u>Radeon Pro 560</u> | 3475 | 308 | NA | NA |
| <u>GeForce GTX 960M</u> | 3462 | 309 | 2.96 | \$1,169.00* |
| <u>FirePro W8000</u> | 3453 | 310 | 6.08 | \$568.00 |

| <u>Radeon Pro 460</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|---|--|---------------------------|--|----------------------|
| <u>GeForce GTX 870M</u> | 3426 | 313 | NA | NA |
| <u>Quadro M1200</u> | 3416 | 314 | NA | NA |
| <u>GRID T4-4Q</u> | 3405 | 315 | NA | NA |
| <u>Radeon R9 M470X</u> | 3400 | 316 | NA | NA |

| <u>GeForce GTX 750</u> | 3399 | 317 | 34.00 | \$99.99 |
|---------------------------------|--|---------------------------|---------------------------------------|-----------------------------|
| <u>GeForce GTX 650 Ti BOOST</u> | 3371 | 318 | NA | NA |
| <u>Radeon RX Vega M GL</u> | 3371 | 319 | NA | NA |
| <u>Radeon E8870PCle</u> | 3368 | 321 | NA | NA |
| <u>Radeon HD8970M</u> | 3368 | 320 | NA | NA |
| <u>GeForce GTX 590</u> | 3365 | 322 | 11.41 | \$295.00* |
| <u>Radeon RX 5300M</u> | 3357 | 323 | NA | NA |
| <u>GRID P40-2B</u> | 3354 | 324 | NA | NA |
| <u>GRID M10-1Q</u> | 3351 | 325 | NA | NA |
| <u>Quadro P600</u> | 3349 | 326 | 10.18 | \$329.00 |
| <u>Radeon Ryzen 5 4600H</u> | 3327 | 327 | NA | NA |
| <u>Radeon R9 M290X</u> | 3320 | 328 | NA | NA |
| <u>Quadro K5100M</u> | 3317 | 329 | 2.99 | \$1,108.84* |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>GeForce 770M</u> | 3245 | 330 | 18.34 | \$176.99* |
| <u>GRID M10-4Q</u> | 3223 | 331 | NA | NA |
| <u>GeForce GTX 470</u> | 3213 | 332 | 53.57 | \$59.99* |
| <u>GRID K520</u> | 3177 | 333 | 4.24 | \$749.95* |
| <u>RadeonT RX 5500M</u> | 3165 | 334 | NA | NA |
| <u>FirePro V7000</u> | 3161 | 335 | NA | NA |
| <u>Radeon Pro 555</u> | 3140 | 336 | 2.99 | \$1,049.00* |
| <u>Radeon R7 260X</u> | 3134 | 337 | 22.39 | \$139.99* |
| <u>Tesla C2075</u> | 3118 | 338 | 4.83 | \$646.00 |
| <u>Radeon Pro 455</u> | 3112 | 339 | 6.93 | \$449.00* |
| <u>Tesla C2070</u> | 3101 | 340 | 5.18 | \$599.00 |
| <u>Intel G35 Express</u> | 3090 | 341 | NA | NA |
| <u>Radeon HD 7790</u> | 3090 | 342 | 22.07 | \$139.99* |
| <u>Radeon R7 360</u> | 3077 | 343 | 24.62 | \$125.00* |
| <u>GeForce GTX 560 Ti</u> | 3069 | 344 | 23.61 | \$129.99 |
| <u>GeForce GTX 860M</u> | 3059 | 345 | 26.83 | \$114.00* |
| <u>GeForce GTX 680M</u> | 3044 | 346 | 22.39 | \$135.99* |
| <u>Radeon R9 360</u> | 3031 | 347 | 22.64 | \$133.89 |

| <u>Radeon R9 260</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|---------------------------|
| <u>FirePro W5000</u> | 2970 | 350 | 29.71 | \$99.99 |
| <u>Radeon R9 M380</u> | 2947 | 351 | NA | NA |
| <u>GRID K260Q</u> | 2940 | 352 | NA | NA |
| <u>Radeon HD 6990</u> | 2932 | 353 | 5.88 | \$498.49* |

| <u>Ryzen 5 5600G with Radeon Graphics</u> | 2925 | -1 | NA | NA |
|---|--|---------------------------|---------------------------------------|-----------------------------|
| <u>Intel UHD P630</u> | 2918 | 354 | NA | NA |
| <u>GeForce MX350</u> | 2895 | 355 | NA | NA |
| <u>Radeon R7 260</u> | 2891 | 356 | 32.13 | \$89.99* |
| <u>Ryzen 7 PRO 4700G with Radeon Graphics</u> | 2879 | -1 | NA | NA |
| <u>Quadro K1200</u> | 2877 | 357 | 10.72 | \$268.55 |
| <u>Intel Iris Xe</u> | 2873 | 358 | NA | NA |
| <u>Radeon HD 6970</u> | 2863 | 359 | 17.90 | \$159.99 |
| <u>Radeon Pro V340 MxGPU</u> | 2853 | 360 | NA | NA |
| <u>FirePro W5100</u> | 2835 | 361 | 9.95 | \$285.00 |
| <u>Radeon Pro W5500M</u> | 2821 | 362 | NA | NA |
| <u>FirePro 3D V9800</u> | 2811 | 363 | 1.13 | \$2,499.00* |
| <u>GeForce GTX 770M</u> | 2800 | 365 | 20.29 | \$138.00* |
| <u>Quadro M620</u> | 2800 | 364 | NA | NA |
| <u>GRID K2</u> | 2774 | 366 | 0.65 | \$4,237.75* |
| <u>Radeon RX 550</u> | 2754 | 367 | 17.59 | \$156.60 |
| <u>FirePro W4300</u> | 2734 | 368 | 11.39 | \$239.99* |
| <u>GeForce GTX 560</u> | 2729 | 369 | 13.12 | \$208.00 |
| <u>FirePro V9800</u> | 2726 | 370 | 9.77 | \$279.00 |
| <u>Radeon Pro 450</u> | 2722 | 371 | NA | NA |
| <u>Ryzen 9 4900H with Radeon Graphics</u> | 2713 | -1 | NA | NA |
| <u>Quadro K5000M</u> | 2706 | 372 | 8.20 | \$330.00* |
| <u>GRID T4-1Q</u> | 2702 | 373 | NA | NA |
| <u>Barco MXRT 5500</u> | 2701 | 374 | 9.04 | \$299.00* |
| <u>Quadro K4000</u> | 2697 | 375 | 10.18 | \$265.00 |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon HD 6950</u> | 2685 | 376 | 17.91 | \$149.99 |
| <u>GeForce GTX 465</u> | 2679 | 377 | 13.74 | \$195.00 |
| <u>Ryzen 7 Pro 4750G with Radeon Graphics</u> | 2678 | 378 | NA | NA |
| <u>Radeon Ryzen 7 4700GE</u> | 2661 | -1 | NA | NA |
| <u>FirePro M6100 FireGL V</u> | 2656 | 380 | NA | NA |
| <u>Quadro 6000</u> | 2656 | 379 | 5.92 | \$119.00 |

| <u>GPU/V. Card</u> | 2000 Passmark G3D | GPU Rank | <u>GPU</u> VideoCard | <u>Price</u> |
|---------------------------------|----------------------|-------------|-------------------------|------------------|
| <u>GPU/MID/Low</u> | Mark 2653 | Lower is | Value NA | Price NA |
| <u>MONSTER GeForce GTX 675M</u> | 2637 | 383 | NA | NA |
| <u>GeForce GTX 950M</u> | 2627 | 384 | <u>4.63</u> | <u>\$567.00*</u> |
| <u>Radeon Ryzen 7 PRO 4750G</u> | 2624 | 385 | NA | NA |
| <u>Radeon Pro WX 3100</u> | 2617 | 386 | NA | NA |

| | | | | |
|--|------|-----|-----------------------|---------------------------|
| <u>GRID M10-8Q</u> | 2606 | 387 | NA | NA |
| <u>GeForce GTX 850M</u> | 2602 | 388 | NA | NA |
| <u>GeForce MX330</u> | 2602 | 389 | NA | NA |
| <u>GeForce GT 1030</u> | 2600 | 391 | 25.69 | \$101.21 |
| <u>Ryzen 7 5800U with Radeon Graphics</u> | 2600 | 390 | NA | NA |
| <u>Ryzen 7 5800H with Radeon Graphics</u> | 2594 | -1 | NA | NA |
| <u>Quadro K4100M</u> | 2584 | 392 | 8.03 | \$322.00* |
| <u>Ryzen 7 PRO 5850U with Radeon Graphics</u> | 2582 | 393 | NA | NA |
| <u>GRID K240Q</u> | 2578 | 394 | NA | NA |
| <u>GeForce MX250</u> | 2551 | 395 | NA | NA |
| <u>Ryzen 7 PRO 4750GE with Radeon Graphics</u> | 2549 | 396 | NA | NA |
| <u>GeForce GTX 650 Ti</u> | 2547 | 397 | 15.92 | \$159.99 |
| <u>GeForce GTX 950A</u> | 2539 | 398 | NA | NA |
| <u>Radeon HD 6850 X2</u> | 2534 | 399 | NA | NA |
| <u>Radeon Pro WX 3200</u> | 2533 | 400 | 7.94 | \$319.11 |
| <u>Ryzen 9 5980HS with Radeon Graphics</u> | 2533 | -1 | NA | NA |
| <u>FireStream 9370</u> | 2528 | 401 | NA | NA |
| <u>N18E-Q1</u> | 2525 | 402 | NA | NA |
| <u>Ryzen 7 4700GE with Radeon Graphics</u> | 2496 | 403 | NA | NA |
| <u>Radeon Ryzen 5 PRO 4650G</u> | 2439 | 404 | NA | NA |
| <u>FirePro 3D V8800</u> | 2437 | 405 | 5.74 | \$424.99* |
| <u>Ryzen 9 5900HS with Radeon Graphics</u> | 2412 | 406 | NA | NA |
| <u>GeForce GTX 960A</u> | 2410 | 407 | NA | NA |
| <u>P106-090</u> | 2402 | 408 | NA | NA |
| <u>Ryzen 3 4300GE with Radeon Graphics</u> | 2402 | -1 | NA | NA |
| <u>Radeon RX Vega 11 PRD</u> | 2401 | 409 | NA | NA |
| <u>Radeon Ryzen 5 4600G</u> | 2395 | 410 | NA | NA |
| <u>Ryzen 5 Pro 4650G with Radeon Graphics</u> | 2395 | 411 | NA | NA |
| <u>GeForce GTX 580M</u> | 2373 | 412 | 9.54 | \$248.68* |
| <u>GRID K280Q</u> | 2362 | 413 | NA | NA |
| <u>GeForce GTX 485M</u> | 2359 | 414 | NA | NA |
| <u>Radeon R9 300 Microsoft Surface Edition</u> | 2340 | 415 | NA | NA |

| | | | | |
|---|------|------|-----------|--------|
| <u>Radeon Ryzen 7 Microsoft Surface Edition</u> | 2349 | 410 | NA | NA |
| Passmark G3D | Mark | Rank | Videocard | Price |
| GeForce MX150 | 2344 | 410 | Value | Value |
| | | | 26.65 | 263.98 |
| | | | | |
| <u>Ryzen 7 Extreme Edition</u> | 2339 | 418 | NA | NA |
| <u>GRID M10-2B</u> | 2333 | 419 | NA | NA |
| <u>Radeon Ryzen 3 4300GE</u> | 2322 | 420 | NA | NA |

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--|---------------------------|---------------------------------------|-----------------------------|
| <u>GRID M10-1B</u> | 2309 | 421 | NA | NA |
| <u>Radeon Ryzen 7 4700G</u> | 2306 | 422 | NA | NA |
| <u>Ryzen 5 PRO 4400G with Radeon Graphics</u> | 2305 | 423 | NA | NA |
| <u>FirePro V7900</u> | 2296 | 424 | 18.38 | \$125.00 |
| <u>GeForce GTX 675MX</u> | 2295 | 425 | NA | NA |
| <u>Quadro K3100M</u> | 2287 | 426 | 5.72 | \$399.95* |
| <u>GeForce GTX 460</u> | 2276 | 427 | 22.77 | \$99.99 |
| <u>Radeon Ryzen 7 4800U</u> | 2271 | 428 | NA | NA |
| <u>Radeon HD 6970M</u> | 2270 | 429 | 10.51 | \$215.99* |
| <u>Quadro K620</u> | 2268 | 431 | 1.12 | \$2,029.99* |
| <u>Radeon R7 250X</u> | 2268 | 430 | 12.00 | \$189.00 |
| <u>FirePro V8800</u> | 2267 | -1 | 11.39 | \$199.00 |
| <u>Radeon HD 8950</u> | 2267 | 432 | NA | NA |
| <u>Radeon HD 5870</u> | 2257 | 433 | 20.52 | \$109.99 |
| <u>Radeon RX 550X</u> | 2242 | 434 | NA | NA |
| <u>Ryzen 5 PRO 5650U with Radeon Graphics</u> | 2231 | 435 | NA | NA |
| <u>GRID P100-1B</u> | 2223 | 436 | NA | NA |
| <u>Radeon HD 5970</u> | 2219 | 437 | 11.10 | \$199.99 |
| <u>Ryzen 3 PRO 4350GE with Radeon Graphics</u> | 2210 | 438 | NA | NA |
| <u>Radeon HD 6870</u> | 2209 | 439 | 7.39 | \$299.00 |
| <u>Radeon Ryzen 3 PRO 4350G</u> | 2203 | 440 | NA | NA |
| <u>Ryzen 3 Pro 4350G with Radeon Graphics</u> | 2190 | 441 | NA | NA |
| <u>Radeon Ryzen Embedded V2718</u> | 2189 | 442 | NA | NA |
| <u>Ryzen 7 4700G with Radeon Graphics</u> | 2186 | 443 | NA | NA |
| <u>Radeon HD 7770</u> | 2184 | 445 | 19.86 | \$109.99 |
| <u>RadeonT R7 450</u> | 2184 | 444 | NA | NA |
| <u>GeForce GTX 745</u> | 2183 | 446 | 7.80 | \$280.00 |
| <u>Intel Iris Pro P580</u> | 2168 | 447 | NA | NA |
| <u>Quadro P520</u> | 2143 | 448 | 1.43 | \$1,499.00* |
| <u>Quadro M600M</u> | 2142 | 449 | 53.57 | \$39.99* |

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|---|---|----------------------------|---|----------------------------------|
| <u>Radeon RX Vega 11</u> | Passmark G3D Mark 2137 (higher is better) | Rank 450 (lower is better) | Videocard Value 2.13 (higher is better) | Price \$1,002.00* |
| <u>Radeon TM R9 A360</u> | 2105 | 452 | NA | NA |
| <u>FirePro M5100</u> | 2102 | 453 | NA | NA |
| <u>FirePro M6100</u> | 2093 | 454 | NA | NA |
| <u>GeForce GTX 460 v2</u> | 2091 | 455 | <u>10.46</u> | <u>\$199.99*</u> |

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|---|--------------------------------------|------------------------|------------------------------------|----------------------------------|
| <u>GeForce GTX 560 SE</u> | 2088 | 456 | <u>23.21</u> | <u>\$89.99*</u> |
| <u>GRID M6-1Q</u> | 2069 | 457 | NA | NA |
| <u>Ryzen 7 5700G with Radeon Graphics</u> | 2064 | 458 | NA | NA |
| <u>Ryzen 5 4600G with Radeon Graphics</u> | 2061 | 459 | NA | NA |
| <u>Quadro 5000M</u> | 2059 | 460 | NA | NA |
| <u>Radeon Ryzen 7 4700U</u> | 2053 | 461 | NA | NA |
| <u>GeForce GTX 480M</u> | 2050 | 462 | NA | NA |
| <u>Intel Iris Pro 580</u> | 2036 | 463 | NA | NA |
| <u>Ryzen 5 PRO 4650GE with Radeon Graphics</u> | 2034 | 464 | NA | NA |
| <u>Quadro M520</u> | 2033 | 465 | NA | NA |
| <u>Ryzen 7 4700U with Radeon Graphics</u> | 2032 | 466 | NA | NA |
| <u>FirePro V7800</u> | 2030 | 467 | <u>10.97</u> | <u>\$185.00</u> |
| <u>Ryzen 7 PRO 4750U with Radeon Graphics</u> | 2028 | 468 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon Ryzen 5 Microsoft Surface Edition</u> | 2027 | 469 | NA | NA |
| <u>Radeon R9 M470</u> | 2023 | 470 | NA | NA |
| <u>Radeon Ryzen 7 PRO 4750GE</u> | 2020 | 471 | NA | NA |
| <u>Radeon Ryzen 7 PRO 4750U</u> | 2019 | 472 | NA | NA |
| <u>Quadro K4000M</u> | 2011 | 473 | <u>8.08</u> | <u>\$249.00</u> |
| <u>Quadro 5000</u> | 2009 | 474 | <u>9.18</u> | <u>\$219.00</u> |
| <u>Ryzen 5 PRO 4500U with Radeon Graphics</u> | 2007 | 475 | NA | NA |
| <u>GeForce GT 645</u> | 2005 | 476 | NA | NA |
| <u>Radeon HD 6850</u> | 1986 | 477 | <u>16.85</u> | <u>\$117.90</u> |
| <u>Quadro 5010M</u> | 1982 | 478 | <u>8.40</u> | <u>\$235.95*</u> |
| <u>Radeon R7 + R7 350 Dual</u> | 1982 | 479 | NA | NA |
| <u>Radeon HD 5850</u> | 1975 | 480 | <u>17.96</u> | <u>\$109.99*</u> |
| <u>Radeon R7 450</u> | 1968 | 481 | <u>24.61</u> | <u>\$79.99*</u> |
| <u>GeForce 945M</u> | 1965 | 482 | NA | NA |
| <u>Radeon R9 350</u> | 1963 | 483 | <u>6.57</u> | <u>\$299.00*</u> |
| <u>Radeon R7 + HD 7700 Dual</u> | 1962 | 484 | NA | NA |
| <u>Radeon HD 7660D + HD 7700 Dual</u> | 1958 | 485 | NA | NA |

| <u>GeForce GTX 470M</u> | Passmark G3D Mark 1953 (higher is better) | Rank 488 (lower is better) | Videocard Value NA (higher is better) | Price NA (USD) |
|---|---|----------------------------|---------------------------------------|---------------------------|
| <u>Ryzen 5 4600U with Radeon Graphics</u> | 1951 | 488 | NA | NA |
| <u>GeForce GTX 765M</u> | 1948 | 489 | 10.46 | \$186.30* |
| <u>GeForce GTX 670MX</u> | 1937 | 490 | NA | NA |
| <u>Ryzen 5 4600H with Radeon Graphics</u> | 1936 | 491 | NA | NA |

| <u>Radeon R9 M385X</u> | 1929 | 492 | NA | NA |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon RX 570X</u> | 1923 | 493 | 4.42 | \$435.00 |
| <u>GeForce GTX 570M</u> | 1920 | 494 | NA | NA |
| <u>Radeon HD 7560D + 7700 Dual</u> | 1919 | 495 | NA | NA |
| <u>GeForce MX130</u> | 1917 | 496 | NA | NA |
| <u>GeForce MX230</u> | 1906 | 497 | NA | NA |
| <u>Intel UHD P750</u> | 1906 | 498 | NA | NA |
| <u>GeForce GTX 675M</u> | 1903 | 500 | NA | NA |
| <u>Matrox C680 PCIe x16</u> | 1903 | 499 | NA | NA |
| <u>Ryzen 3 4300G with Radeon Graphics</u> | 1902 | 501 | NA | NA |
| <u>Radeon HD 7700-serie</u> | 1899 | 502 | NA | NA |
| <u>GeForce GTX 645</u> | 1895 | 503 | NA | NA |
| <u>Radeon HD 8670D + HD 7700 Dual</u> | 1892 | 504 | NA | NA |
| <u>FirePro 3D V7800</u> | 1867 | 505 | 3.11 | \$599.99* |
| <u>Intel Iris Plus</u> | 1864 | 506 | NA | NA |
| <u>GeForce 945A</u> | 1852 | 507 | NA | NA |
| <u>GRID T4-2Q</u> | 1850 | -1 | NA | NA |
| <u>Radeon Vega 11</u> | 1844 | 508 | NA | NA |
| <u>Radeon RX 540</u> | 1843 | 509 | NA | NA |
| <u>Radeon RX Vega 11 Processor</u> | 1842 | 510 | NA | NA |
| <u>FirePro M5100 FireGL V</u> | 1839 | 511 | NA | NA |
| <u>GRID M60-0B</u> | 1838 | 512 | NA | NA |
| <u>Radeon R9 M375X</u> | 1835 | 513 | NA | NA |
| <u>Radeon HD 8570D + HD 7700 Dual</u> | 1834 | 514 | NA | NA |
| <u>MxGPU</u> | 1826 | 516 | NA | NA |
| <u>Radeon R9 M385</u> | 1826 | 515 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon Ryzen 5 4600U</u> | 1824 | 517 | NA | NA |
| <u>FirePro M6000</u> | 1820 | 518 | 9.43 | \$192.99* |
| <u>Ryzen 5 4500U with Radeon Graphics</u> | 1819 | 519 | NA | NA |
| <u>Matrox C900 PCIe x16</u> | 1812 | 520 | NA | NA |
| <u>RadeonT RX 560X</u> | 1809 | 521 | NA | NA |

| <u>GeForce GTX 555</u> Videocard Name | Passmark G3D 1807 Mark (higher is | Rank (lower is | Videocard Value (higher is | NA Price (USD) |
|--|--|-------------------|----------------------------------|--------------------------|
| <u>Radeon Ryzen 5 4500U</u> | 1802 | 525 | NA | NA |
| <u>RadeonT 540X</u> | 1802 | 524 | NA | NA |
| <u>Radeon Pro</u> | 1801 | 527 | 2.25 | \$799.00 |
| <u>Radeon R9 M275X</u> | 1801 | 526 | NA | NA |

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|--|------|-----|-----------------------|---------------------------|
| <u>Radeon HD 8870M / R9 M270X / M370X</u> | 1799 | 528 | NA | NA |
| <u>Ryzen 3 PRO 4200G with Radeon Graphics</u> | 1798 | -1 | NA | NA |
| <u>Radeon R9 M360</u> | 1796 | 529 | NA | NA |
| <u>Intel Iris 650</u> | 1794 | 530 | NA | NA |
| <u>Radeon Ryzen 3 PRO 4350GE</u> | 1792 | 531 | NA | NA |
| <u>Radeon HD 8670D + 7700 Dual</u> | 1788 | 532 | NA | NA |
| <u>Radeon Pro WX 4150</u> | 1785 | 533 | NA | NA |
| <u>Ryzen 3 PRO 4200GE with Radeon Graphics</u> | 1783 | 534 | NA | NA |
| <u>Intel Iris Plus 655</u> | 1781 | 535 | NA | NA |
| <u>Radeon Ryzen 5 PRO 4650U</u> | 1770 | 536 | NA | NA |
| <u>GeForce GTX 650</u> | 1760 | 537 | 25.17 | \$69.96 |
| <u>Radeon HD 5830</u> | 1758 | 538 | 19.55 | \$89.99* |
| <u>FirePro W600</u> | 1751 | 539 | 4.93 | \$355.00 |
| <u>Intel Iris Plus 645</u> | 1750 | 540 | NA | NA |
| <u>Radeon Pro WX 2100</u> | 1743 | 541 | NA | NA |
| <u>Radeon Ryzen 5 PRO 4650GE</u> | 1738 | 542 | NA | NA |
| <u>Radeon HD 6900M</u> | 1731 | 543 | NA | NA |
| <u>Radeon RX Vega 10</u> | 1731 | 544 | NA | NA |
| <u>Ryzen 3 5400U with Radeon Graphics</u> | 1719 | 545 | NA | NA |
| <u>Intel UHD</u> | 1712 | 546 | NA | NA |
| <u>GeForce GTX 760M</u> | 1710 | 547 | NA | NA |
| <u>Intel UHD 750</u> | 1706 | 548 | NA | NA |
| <u>Radeon Vega 8</u> | 1698 | 549 | 13.39 | \$126.86* |
| <u>Radeon Pro WX 4130</u> | 1692 | 550 | NA | NA |
| <u>Radeon RX Vega11</u> | 1689 | 552 | NA | NA |
| <u>Ryzen 5 PRO 4650U with Radeon Graphics</u> | 1689 | 551 | NA | NA |
| <u>Radeon HD 7750</u> | 1678 | 553 | 13.99 | \$119.99 |
| <u>Firepro W5170M</u> | 1673 | 554 | NA | NA |
| <u>Radeon R7 M380</u> | 1668 | 555 | NA | NA |
| <u>Radeon Vega 9</u> | 1662 | 556 | NA | NA |
| <u>Intel Iris Pro P6300</u> | 1653 | 557 | NA | NA |

| <u>Radeon HD HD7850M</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard NA Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|--------------------------|
| <u>Ryzen 5 5600U with Radeon Graphics</u> | 1641 | 560 | NA | NA |
| <u>Radeon HD 8870M</u> | 1638 | 561 | NA | NA |
| <u>Quadro P400</u> | 1637 | 562 | 7.65 | \$214.17 |
| <u>Quadro K2000D</u> | 1627 | 563 | 4.03 | \$404.00 |

| <u>FirePro M6000 Mobility Pro</u> | 1622 | 564 | NA | NA |
|---|--|---------------------------|---------------------------------------|---------------------------|
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>FirePro M4000 Mobility Pro</u> | 1619 | 565 | NA | NA |
| <u>Ryzen 7 2700U with Radeon Vega</u> | 1617 | 566 | NA | NA |
| <u>Intel Iris Plus 650</u> | 1605 | 567 | NA | NA |
| <u>Seria Radeon HD 7700</u> | 1603 | 568 | NA | NA |
| <u>Radeon R7 M465X</u> | 1597 | 569 | NA | NA |
| <u>Quadro P500</u> | 1596 | 570 | NA | NA |
| <u>FirePro M4000</u> | 1592 | 571 | 21.86 | \$72.83* |
| <u>Radeon Ryzen 3 4300U</u> | 1591 | 572 | NA | NA |
| <u>Radeon RX Vega 8</u> | 1586 | 573 | NA | NA |
| <u>Radeon HD 6790</u> | 1580 | 574 | 5.47 | \$289.00 |
| <u>Intel UHD 730</u> | 1577 | 575 | NA | NA |
| <u>Radeon E8860</u> | 1577 | 576 | NA | NA |
| <u>Radeon R9 M275X / M375</u> | 1574 | 577 | NA | NA |
| <u>GeForce GT 755M</u> | 1571 | 578 | NA | NA |
| <u>Quadro K2000</u> | 1569 | 579 | 7.30 | \$215.06* |
| <u>GeForce GTX 550 Ti</u> | 1566 | 580 | 6.84 | \$229.00 |
| <u>GeForce GTX 285</u> | 1561 | 581 | 6.51 | \$239.99 |
| <u>Radeon HD 7560D + HD 6670 Dual</u> | 1554 | 582 | NA | NA |
| <u>Radeon Vega 10</u> | 1548 | 583 | NA | NA |
| <u>Embedded Radeon E9173</u> | 1545 | 584 | NA | NA |
| <u>Radeon HD 8470D + HD 7500 Dual</u> | 1545 | 585 | NA | NA |
| <u>FirePro W4100</u> | 1544 | 586 | 6.13 | \$252.00 |
| <u>Ryzen 3 PRO 4300U with Radeon Graphics</u> | 1542 | 587 | NA | NA |
| <u>FirePro V8700</u> | 1538 | 588 | 9.75 | \$157.88* |
| <u>Ryzen 3 PRO 4450U with Radeon Graphics</u> | 1538 | 589 | NA | NA |
| <u>Radeon HD 4890</u> | 1530 | 590 | 17.01 | \$89.99* |
| <u>GeForce 940MX</u> | 1523 | 591 | NA | NA |
| <u>GeForce GT 740</u> | 1520 | 592 | 10.14 | \$149.99 |
| <u>FirePro W6150M</u> | 1515 | 593 | NA | NA |

| <u>Radeon HD 7870M</u> | Passmark G3D Mark 3D (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|---------------------------------------|---|------------------------|------------------------------------|--------------------------|
| Videocard Name | | | | |
| <u>Radeon HD 6670 + 7660D Dual</u> | 1432 | 590 | NA | NA |
| <u>Quadro 4000</u> | 1484 | 598 | 7.10 | \$209.00 |
| <u>Radeon HD 7660D + HD 6670 Dual</u> | 1484 | 597 | NA | NA |
| <u>GeForce MX110</u> | 1482 | 599 | NA | NA |

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|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Radeon R9 M365X</u> | 1481 | 600 | NA | NA |
| <u>Radeon Vega 10 Mobile</u> | 1470 | 601 | NA | NA |
| <u>Intel Iris Pro Graphics 6200</u> | 1451 | 603 | NA | NA |
| <u>Radeon Vega 8 Mobile</u> | 1451 | 602 | NA | NA |
| <u>Radeon R7 A10-7870K</u> | 1443 | 604 | NA | NA |
| <u>Ryzen 5 PRO 4400GE with Radeon Graphics</u> | 1441 | 605 | NA | NA |
| <u>Radeon HD 8470D + HD 6670 Dual</u> | 1435 | 606 | NA | NA |
| <u>Radeon Ryzen 3 4300G</u> | 1435 | 607 | NA | NA |
| <u>GeForce 845M</u> | 1429 | 608 | NA | NA |
| <u>FirePro W5130M</u> | 1427 | 609 | NA | NA |
| <u>Radeon HD 7560D + 7670 Dual</u> | 1426 | 610 | NA | NA |
| <u>Radeon R7 M370</u> | 1417 | 611 | NA | NA |
| <u>GeForce GTX 660M</u> | 1414 | 612 | 17.91 | \$78.99* |
| <u>Radeon RX 640</u> | 1414 | 613 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon 550X</u> | 1412 | 614 | NA | NA |
| <u>Radeon Pro WX 4170</u> | 1409 | 615 | NA | NA |
| <u>GeForce GTX 275</u> | 1408 | 617 | 3.26 | \$431.72* |
| <u>Radeon Ryzen 3 PRO 4450U</u> | 1408 | 616 | NA | NA |
| <u>Radeon 540X</u> | 1397 | 618 | NA | NA |
| <u>Radeon HD 7560D + HD 7670 Dual</u> | 1380 | 619 | NA | NA |
| <u>Quadro K2100M</u> | 1376 | 620 | 3.31 | \$415.99* |
| <u>Radeon R7 PRO A12-8870</u> | 1375 | 621 | NA | NA |
| <u>Radeon HD 7850M</u> | 1372 | 622 | NA | NA |
| <u>Radeon R9 M370X</u> | 1372 | 623 | 1.54 | \$889.00* |
| <u>Intel UHD 630</u> | 1370 | 624 | NA | NA |
| <u>FirePro M40003</u> | 1364 | 625 | NA | NA |
| <u>RadeonT RX 640</u> | 1363 | -1 | NA | NA |
| <u>Radeon HD 8670D + 6670 Dual</u> | 1361 | 626 | NA | NA |
| <u>Radeon HD 4870</u> | 1360 | 627 | 15.12 | \$89.99 |
| <u>Ryzen 3 4300U with Radeon Graphics</u> | 1354 | 628 | NA | NA |
| <u>GeForce GT 750M</u> | 1349 | 630 | NA | NA |

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|------------------------|------------------------|----------|-----------------------|----------------|
| <u>GeForce GTX 770</u> | Passmark G3D Mark 1349 | Rank 632 | Videocard Value 12.27 | Price \$199.99 |
|------------------------|------------------------|----------|-----------------------|----------------|

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|------------------------|------|-----|----------------------|--------------------------|
| <u>Intel Iris 550</u> | 1344 | 632 | NA | NA |
| <u>FireStream 9270</u> | 1341 | 633 | NA | NA |
| <u>GeForce GTS 450</u> | 1332 | 634 | 6.70 | \$199.00 |
| <u>GeForce 930MX</u> | 1323 | 635 | NA | NA |

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|--|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>Intel Iris Plus 640</u> | 1318 | 636 | NA | NA |
| <u>Radeon HD 8670D + HD 7600 Dual</u> | 1317 | 637 | NA | NA |
| <u>FirePro M5950</u> | 1314 | 638 | NA | NA |
| <u>Intel HD P530</u> | 1310 | 639 | NA | NA |
| <u>Radeon HD 4870 X2</u> | 1309 | 641 | NA | NA |
| <u>Radeon R7 PRO A8-8670E</u> | 1309 | 640 | NA | NA |
| <u>Radeon R7 M465</u> | 1306 | 642 | NA | NA |
| <u>Radeon HD 8790M</u> | 1305 | 644 | NA | NA |
| <u>Tesla M2070-Q</u> | 1305 | 643 | NA | NA |
| <u>Quadro 4000M</u> | 1299 | 646 | 6.22 | \$209.03 |
| <u>TENSOR 1.0 Driver Intel HD 630</u> | 1299 | 645 | NA | NA |
| <u>Radeon Ryzen Embedded V2748</u> | 1296 | -1 | NA | NA |
| <u>Radeon Vega 6</u> | 1282 | 647 | 0.71 | \$1,799.99* |
| <u>Radeon 630</u> | 1281 | 648 | NA | NA |
| <u>Radeon R7 A370</u> | 1281 | 649 | NA | NA |
| <u>FirePro V5900</u> | 1278 | 650 | 12.92 | \$99.00 |
| <u>Radeon 540</u> | 1275 | 651 | NA | NA |
| <u>FirePro 3D V8750</u> | 1271 | 652 | 1.03 | \$1,230.99* |
| <u>FirePro V5800</u> | 1266 | 653 | 18.36 | \$69.00 |
| <u>Radeon HD 8570D + HD 6670 Dual</u> | 1260 | 654 | NA | NA |
| <u>Radeon HD 7560D + HD 7600 Dual</u> | 1258 | 655 | NA | NA |
| <u>GeForce GPU</u> | 1253 | 657 | NA | NA |
| <u>Quadro FX 5800</u> | 1253 | 656 | 4.66 | \$269.00 |
| <u>Radeon R9 255</u> | 1251 | 658 | 3.64 | \$344.16* |
| <u>Intel HD P630</u> | 1249 | 659 | NA | NA |
| <u>Intel Iris 540</u> | 1245 | 660 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Quadro 2000 D</u> | 1239 | 661 | NA | NA |
| <u>Radeon HD 8570D + 6570 Dual</u> | 1239 | 662 | NA | NA |
| <u>Radeon HD 7660D + 6670 Dual</u> | 1238 | 663 | NA | NA |
| <u>Radeon HD 7560D + HD 6570 Dual</u> | 1237 | 665 | NA | NA |
| <u>Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+8C</u> | 1237 | 664 | NA | NA |

| <u>COMPUTER GAMES</u> | Passmark G3D Mark 1234 | Rank 668 | Videocard Value NA | Price NA |
|---------------------------------------|------------------------|----------|-----------------------|---------------------------|
| <u>Radeon R7 + R5 340 Dual</u> | | | | |
| <u>FirePro 3D V5800</u> | 1231 | 668 | 6.19 | \$199.00 |
| <u>Radeon HD 6770</u> | 1229 | 669 | 5.47 | \$225.00 |
| <u>GeForce 930A</u> | 1227 | 671 | NA | NA |
| <u>GeForce GTX 560M</u> | 1227 | 670 | NA | NA |
| <u>Radeon HD 8670D + HD 6670 Dual</u> | 1221 | 672 | NA | NA |
| <u>Radeon HD 8790M / R9 M290X</u> | 1210 | 673 | NA | NA |
| <u>Radeon HD 7730</u> | 1207 | 674 | 5.19 | \$232.70* |
| <u>FirePro 3D V8700</u> | 1206 | 675 | 7.47 | \$161.48 |
| <u>Radeon R7 250</u> | 1206 | 676 | 10.05 | \$119.99 |
| <u>N16P-GX</u> | 1204 | 677 | NA | NA |
| <u>Radeon HD 7660D + 7540D Dual</u> | 1204 | 678 | NA | NA |
| <u>Radeon R9 M270X</u> | 1204 | 679 | NA | NA |
| <u>Radeon 625</u> | 1201 | 680 | NA | NA |
| <u>GeForce GTX 260</u> | 1199 | 681 | 17.14 | \$69.99 |
| <u>GeForce GTX 460M</u> | 1196 | 682 | NA | NA |
| <u>GeForce GT 640</u> | 1194 | 683 | 10.86 | \$109.99 |
| <u>Radeon HD 7750M</u> | 1191 | 684 | NA | NA |
| <u>Radeon R7 +8G</u> | 1190 | 685 | NA | NA |
| <u>GeForce 840A</u> | 1179 | 687 | NA | NA |
| <u>GeForce GT 650M</u> | 1179 | 686 | NA | NA |
| <u>Radeon R7 430</u> | 1167 | 688 | 5.84 | \$199.99* |
| <u>FireStream 9250</u> | 1164 | 689 | NA | NA |
| <u>Barco MXRT 5400</u> | 1161 | 690 | 5.86 | \$198.00 |
| <u>Intel Coffee Lake UHD</u> | 1158 | 691 | NA | NA |
| <u>Quadro K620M</u> | 1158 | 692 | NA | NA |
| <u>Radeon HD 5750</u> | 1157 | 693 | 15.44 | \$74.99 |
| <u>GeForce GTX 295</u> | 1147 | 695 | 7.17 | \$159.99* |
| <u>Intel HD 630</u> | 1147 | 694 | NA | NA |
| <u>GeForce 940A</u> | 1144 | 696 | NA | NA |
| <u>GeForce GT 745A</u> | 1144 | 697 | NA | NA |
| <u>GeForce GTX 280</u> | 1139 | 699 | 9.50 | \$119.99 |
| <u>Radeon HD 8850M / R9 M265X</u> | 1139 | 698 | NA | NA |
| <u>Radeon HD 4850 X2</u> | 1132 | 700 | NA | NA |
| <u>Radeon HD 7560D + 6670 Dual</u> | 1130 | 701 | NA | NA |
| <u>Radeon R7 + R7 200 Dual</u> | 1128 | 702 | NA | NA |
| <u>Radeon R7 PRO A12-8870E</u> | 1127 | 703 | NA | NA |

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|-------------------------------------|-------------------------|-------------------|--------------------------|---------------------------|
| <u>Radeon HD 8650G + 7700M Dual</u> | 1126 | 704 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| Radeon HD 7660D + 7500 Dual | Mark (higher is better) | (lower is better) | Value (higher is better) | Money |
| | | | | |
| <u>Radeon R7 A10-8850</u> | 1114 | 708 | NA | NA |
| <u>Radeon R9 M275</u> | 1114 | 707 | 1.59 | \$699.99* |
| <u>Firepro W4190M</u> | 1112 | 709 | NA | NA |

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|---|---------------------------|---------------------------------------|---------------------------|
| <u>Quadro M500M</u> | 1112 | 710 | NA | NA |
| <u>Quadro K1100M</u> | 1107 | 711 | 3.43 | \$322.99* |
| <u>GeForce 940M</u> | 1106 | 712 | NA | NA |
| <u>Quadro 2100M</u> | 1100 | 715 | NA | NA |
| <u>Radeon HD 7660D + 6570 Dual</u> | 1100 | 714 | NA | NA |
| <u>Radeon R7 A10-9700E RADEON</u> | 1100 | 713 | NA | NA |
| <u>Radeon R5 PRO A6-9500 2C+6G</u> | 1096 | 716 | NA | NA |
| <u>NVS 810</u> | 1093 | 717 | 1.75 | \$624.99* |
| <u>GeForce GTX 850M - MODDED</u> | 1091 | 718 | NA | NA |
| <u>GeForce 920MX</u> | 1085 | 719 | NA | NA |
| <u>MIRRORV3</u> | 1080 | 720 | NA | NA |
| <u>Barco MXRT 5450</u> | 1079 | 722 | 17.99 | \$59.99 |
| <u>GeForce GT 545</u> | 1079 | 721 | 19.43 | \$55.59* |
| <u>Radeon HD 8450G + 8600/8700M Dual</u> | 1070 | 724 | NA | NA |
| <u>Radeon Vega 3 Mobile</u> | 1070 | 723 | NA | NA |
| <u>FirePro M4170</u> | 1067 | 725 | NA | NA |
| <u>Radeon R7 M350</u> | 1064 | 726 | NA | NA |
| <u>Radeon R7 FX-9830P RADEON</u> | 1062 | 727 | NA | NA |
| <u>GeForce 840M</u> | 1061 | 729 | NA | NA |
| <u>Radeon HD 7660D + 7670 Dual</u> | 1061 | 728 | NA | NA |
| <u>Radeon 535</u> | 1060 | 731 | NA | NA |
| <u>Radeon HD 7520G + 7700M Dual</u> | 1060 | 730 | NA | NA |
| <u>Firepro M4100</u> | 1059 | 733 | NA | NA |
| <u>GeForce GTX 760A</u> | 1059 | 732 | NA | NA |
| <u>OPAL XT/GL</u> | 1053 | 734 | NA | NA |
| <u>Radeon HD 7670A</u> | 1050 | 735 | NA | NA |
| <u>GeForce GTX 850A</u> | 1049 | 736 | NA | NA |
| <u>Radeon R7 PRO A8-9600</u> | 1049 | 737 | NA | NA |
| <u>Radeon R7 A12-9730P RADEON</u> | 1047 | 739 | NA | NA |
| <u>Radeon R7 M460</u> | 1047 | 738 | NA | NA |
| <u>Radeon R7 + R7 240 Dual</u> | 1045 | 740 | NA | NA |

| Intel UHD Graphics 620 Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|---------------------------|
| Radeon HD 8570D + 6670 Dual | 1039 | 743 | NA | NA |
| Radeon R7 A12-9800E RADEON | 1037 | 744 | 7.45 | \$139.19* |
| Quadro K2000M | 1034 | 745 | 7.18 | \$144.04* |
| Radeon HD 8570D + HD 8570 Dual | 1032 | 746 | NA | NA |

| Quadro 3000M | 1029 | 747 | 14.72 | \$69.99* |
|--|--|---------------------------|---------------------------------------|--------------------------|
| Radeon HD 8600/8700M | 1029 | 748 | NA | NA |
| Radeon R7 + R5 330 Dual | 1028 | 749 | NA | NA |
| Radeon R9 A375 | 1024 | -1 | NA | NA |
| Intel Iris Pro 5200 | 1022 | 750 | NA | NA |
| GeForce 930M | 1021 | 751 | NA | NA |
| Mobility Radeon HD 5870 | 1020 | 752 | NA | NA |
| Radeon HD 8670D + R7 240 Dual | 1020 | 753 | NA | NA |
| GeForce GT 745M | 1016 | 755 | NA | NA |
| Radeon HD 6700M | 1016 | 754 | NA | NA |
| Radeon R5 A6-9500E 2C+4G | 1014 | 756 | NA | NA |
| RadeonT R5 430 | 1012 | 757 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce 830M | 1010 | 758 | NA | NA |
| Radeon HD 7690M XT | 1009 | 759 | NA | NA |
| GeForce 830A | 1004 | 760 | NA | NA |
| Radeon HD 7690M | 1003 | 761 | NA | NA |
| Radeon HD 6750 | 1002 | 762 | 4.27 | \$235.00 |
| Radeon HD 7660G + HD 7500/7600 7500/7600 Dual | 1002 | 763 | NA | NA |
| Radeon R5 340 | 1001 | 764 | NA | NA |
| Radeon R5 PRO A6-9500 R5_8 COMPUTE CORES 2C+6G | 1000 | -1 | NA | NA |
| Radeon R7 A10-9700 RADEON | 1000 | 765 | NA | NA |
| Radeon HD 7660G + HD 7500M/7600M Dual | 999 | 767 | NA | NA |
| Radeon HD 8570D + R7 200 Dual | 999 | 766 | NA | NA |
| Radeon HD 7640G + HD 8750M Dual | 996 | 768 | NA | NA |
| Radeon R7 A12-9800 RADEON | 993 | 769 | NA | NA |
| Radeon R7 PRO A12-9800E | 989 | 770 | NA | NA |
| Radeon HD 7560D + 7570 Dual | 985 | 771 | NA | NA |
| Radeon HD 8690M | 984 | 772 | NA | NA |
| FirePro V4900 | 983 | 773 | 16.68 | \$59.00* |
| Intel HD 530 | 983 | 774 | NA | NA |

| | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value NA (higher is better) | Price NA (USD) |
|--|--------------------------------------|------------------------|---------------------------------------|---------------------------|
| Radeon HD 7560D + 7560D Dual | 982 | 769 | NA | NA |
| Radeon HD 8670D + 8570 Dual | 974 | 777 | NA | NA |
| FirePro M4150 | 973 | 780 | NA | NA |
| Radeon E6760 | 973 | 779 | 4.06 | \$239.99* |
| Radeon HD 8850M | 973 | 781 | NA | NA |

| Radeon R7 A10-7850K | 973 | 778 | NA | NA |
|--|--------------------------------------|------------------------|------------------------------------|---------------------------|
| Quadro FX 4800 | 971 | 782 | 4.88 | \$199.00* |
| Radeon R6 A10-9600P 4C+6G | 970 | 783 | NA | NA |
| Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D | 966 | 784 | NA | NA |
| Radeon HD 6770M | 964 | 786 | NA | NA |
| Radeon HD 8570 | 964 | 785 | 9.78 | \$98.68* |
| Quadro 2000D | 963 | 788 | 6.88 | \$140.00* |
| Radeon HD 8570D + R7 240 Dual | 963 | 787 | NA | NA |
| Radeon R7 M270DX | 961 | -1 | NA | NA |
| GeForce GT 645M | 958 | 790 | NA | NA |
| Radeon R7 A10 PRO-7850B | 958 | 789 | NA | NA |
| Radeon R6 Opteron X3418 | 955 | 791 | NA | NA |
| Radeon R7 A265 | 954 | 793 | NA | NA |
| Radeon R7 PRO A10-8770 | 954 | 792 | NA | NA |
| Radeon HD 8570 + HD 7660D Dual | 949 | 795 | NA | NA |
| Radeon HD 8670D + R7 200 Dual | 949 | 794 | NA | NA |
| Radeon R7 M260X | 949 | 796 | NA | NA |
| Radeon HD 4850 | 948 | 797 | 2.51 | \$378.00* |
| Quadro CX | 947 | 799 | 6.32 | \$149.95* |
| Radeon R7 A8-7500 | 947 | 798 | NA | NA |
| Radeon R9 M265X | 946 | 800 | NA | NA |
| Quadro 2000 | 945 | 803 | 4.35 | \$217.50* |
| Radeon HD 6670/7670 | 945 | 801 | NA | NA |
| Radeon HD 7640G + 7690M Dual | 945 | 802 | NA | NA |
| Radeon R7 PRO A10-8850B | 945 | 804 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| zxcvIntel HD 620 | 943 | -1 | NA | NA |
| Radeon 530 | 942 | 805 | NA | NA |
| Radeon HD 7660D + R7 240 Dual | 941 | 806 | NA | NA |
| Radeon HD 6750M | 937 | 807 | NA | NA |
| Radeon R7 PRO A10-9700E | 936 | 808 | 1.77 | \$529.00* |
| Radeon HD 7560D + HD 8570 Dual | 935 | 809 | NA | NA |

| <u>Radeon HD 7660G + 7730M Dual</u> | Passmark G3D Mark 931 | Rank 811 | Videocard Value NA | Price NA |
|-------------------------------------|-----------------------|----------|-----------------------|--------------------------|
| <u>Radeon HD 7660G + 7730M Dual</u> | | | | |
| <u>Radeon R7 340</u> | 930 | 811 | NA | NA |
| <u>Radeon. HD 7730M</u> | 928 | 813 | NA | NA |
| <u>Intel Iris Pro 6100</u> | 925 | 814 | NA | NA |
| <u>Radeon R5 430</u> | 923 | 815 | 15.66 | \$59.00* |

| | | | | |
|---|-----|-----|----------------------|----------------------------|
| <u>Radeon R9 M280X</u> | 922 | 816 | NA | NA |
| <u>Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G</u> | 920 | 817 | NA | NA |
| <u>Intel HD Graphics 620</u> | 919 | 818 | NA | NA |
| <u>Radeon R7 240 + HD 8570D Dual</u> | 917 | 819 | NA | NA |
| <u>GRID M10-0Q</u> | 913 | 820 | NA | NA |
| <u>FirePro W4170M</u> | 912 | 823 | NA | NA |
| <u>GRID K220Q</u> | 912 | 822 | NA | NA |
| <u>Radeon R7 A8-8650</u> | 912 | 821 | NA | NA |
| <u>GRID M6-0B</u> | 911 | 824 | NA | NA |
| <u>Radeon 6750M</u> | 911 | 826 | NA | NA |
| <u>Radeon R7 M445</u> | 911 | 825 | 1.22 | \$744.00* |
| <u>Radeon HD 4770</u> | 905 | 827 | NA | NA |
| <u>Radeon 620</u> | 902 | 828 | NA | NA |
| <u>Radeon R7 M365X</u> | 902 | 829 | NA | NA |
| <u>Radeon HD 8550G + 7600M Dual</u> | 901 | 830 | NA | NA |
| <u>Barco MXRT 2600</u> | 900 | 832 | 4.52 | \$199.00 |
| <u>Barco MXRT 7400</u> | 900 | 831 | 9.10 | \$99.00* |
| <u>Radeon Vega 3</u> | 899 | 833 | 0.34 | \$2,677.99 |
| <u>Radeon R7 A10-7860K</u> | 898 | 835 | NA | NA |
| <u>Radeon R7 PRO A10-9700</u> | 898 | 834 | NA | NA |
| <u>GeForce GT 640M</u> | 897 | 837 | NA | NA |
| <u>Radeon R7 + R5 Dual</u> | 897 | 836 | NA | NA |
| <u>7900 MOD - Radeon HD 6550D</u> | 892 | 838 | NA | NA |
| <u>Intel UHD 620</u> | 888 | 839 | NA | NA |
| <u>Radeon R7 PRO A10-8770E</u> | 886 | 840 | NA | NA |
| <u>Radeon R7 + R5 435 Dual A10-9700 RADEON</u> | 885 | 841 | NA | NA |
| <u>Radeon HD 8650G + 7670M Dual</u> | 883 | 842 | NA | NA |
| <u>Radeon R7 A10-8750</u> | 883 | 843 | NA | NA |
| <u>Radeon R7 PRO A12-8830B</u> | 882 | 844 | NA | NA |
| <u>Radeon HD 7660G + HD 7730M Dual</u> | 881 | 845 | NA | NA |
| <u>Radeon R7 A8-7670K</u> | 881 | 846 | NA | NA |
| <u>GeForce GT 445M</u> | 880 | 847 | NA | NA |

| | | | | |
|------------------------|-------------------|-------------------|-----------------|-------|
| <u>GeForce GT 440M</u> | 800 | 847 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| GeForce 920A | 879 | (lower is better) | NA | NA |
| | | | | |
| <u>Radeon HD 8750M</u> | 878 | 849 | NA | NA |
| <u>Intel UHD 617</u> | 874 | 852 | NA | NA |
| <u>LMIMIRR</u> | 874 | 851 | 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> | 873 | 853 | 14.56 | \$59.99* |
| <u>Radeon R7 G</u> | 869 | 855 | NA | NA |
| <u>Radeon R7 M440</u> | 869 | 854 | NA | NA |
| <u>GeForce GT 635</u> | 868 | 856 | 12.97 | \$66.94* |
| <u>Radeon HD 8570D + HD 6570 Dual</u> | 868 | 857 | NA | NA |
| <u>Mobility Radeon HD 4850</u> | 866 | 858 | NA | NA |
| <u>Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G</u> | 866 | 859 | NA | NA |
| <u>Intel Iris 6100</u> | 864 | 860 | NA | NA |
| <u>Radeon HD 8470D + HD 6450 Dual</u> | 862 | 861 | NA | NA |
| <u>Intel HD 520</u> | 860 | 862 | NA | NA |
| <u>Radeon HD 8550G + HD 7600M Dual</u> | 854 | 863 | NA | NA |
| <u>FirePro 3D V4800</u> | 853 | 864 | 5.33 | \$159.99* |
| <u>Radeon R5 A6-9500 2C+6G</u> | 853 | 865 | NA | NA |
| <u>Radeon R7 240</u> | 853 | 867 | 4.29 | \$199.00 |
| <u>Radeon R7 A8-7500 4C+6G</u> | 853 | 866 | NA | NA |
| <u>Radeon HD 8500M/8700M</u> | 852 | 868 | NA | NA |
| <u>Intel HD 6000</u> | 851 | 869 | NA | NA |
| <u>Radeon R5 PRO A6-8570 2C+6G</u> | 847 | 870 | NA | NA |
| <u>Radeon R5 435</u> | 840 | 871 | NA | NA |
| <u>FireGL V8600</u> | 838 | 872 | NA | NA |
| <u>GeForce GT 730M</u> | 838 | 873 | NA | NA |
| <u>Radeon HD 8470D + 6570 Dual</u> | 837 | 874 | NA | NA |
| <u>Radeon HD 8670D + R5 235 Dual</u> | 836 | 875 | NA | NA |
| <u>Radeon 520</u> | 835 | 876 | 9.29 | \$89.99 |
| <u>Radeon HD 6650A</u> | 835 | 877 | NA | NA |
| <u>Radeon HD 7560D + 6570 Dual</u> | 833 | 878 | NA | NA |
| <u>Radeon HD 7520G + HD 7500/7600 Dual</u> | 832 | 879 | NA | NA |
| <u>Radeon HD 7660G + 7600M Dual</u> | 831 | 881 | NA | NA |
| <u>Radeon HD 8650G + 8600/8700M Dual</u> | 831 | 880 | NA | NA |
| <u>Intel HD 5200</u> | 830 | 882 | NA | NA |
| <u>CPID M6000</u> | 827 | 883 | NA | NA |

| <u>Video Card Name</u> | <u>Passmark G3D Mark 826</u> | <u>Rank 826</u> | <u>Videocard Value NA</u> | <u>Price NA</u> |
|--|--|---------------------------------|---|---------------------------------|
| <u>Radeon HD 3850 X2</u> | 822 | 886 | NA | NA |
| <u>Radeon R7 M260DX</u> | 822 | 887 | NA | NA |
| <u>Radeon HD 7540D + 7500 Dual</u> | 821 | 888 | NA | NA |

| <u>Radeon HD 8550G + HD 8750M Dual</u> | 819 | 890 | NA | NA |
|---|--------------------------------------|------------------------|------------------------------------|----------------------------------|
| <u>Radeon HD 8650G + HD 7600M Dual</u> | 819 | 889 | NA | NA |
| <u>Radeon R7 PRO A10-8750B</u> | 817 | 891 | NA | NA |
| <u>Radeon R7 A10 Extreme Edition</u> | 816 | 892 | NA | NA |
| <u>Radeon R7 FX-8800P</u> | 812 | 893 | NA | NA |
| <u>Radeon HD 8670D + 7000 Dual</u> | 811 | 894 | NA | NA |
| <u>Radeon R7 A8-9600 RADEON</u> | 811 | 895 | NA | NA |
| <u>GRID K1</u> | 810 | 896 | <u>2.05</u> | <u>\$395.00*</u> |
| <u>Radeon R5 A6-7480</u> | 806 | 897 | NA | NA |
| <u>GeForce GT 730</u> | 802 | 899 | <u>7.83</u> | <u>\$102.43</u> |
| <u>Radeon HD 8550G + 8600/8700M Dual</u> | 802 | 898 | NA | NA |
| <u>Radeon HD 8650G + HD 8790M Dual</u> | 799 | 900 | NA | NA |
| <u>GeForce 9800 GX2</u> | 797 | 901 | <u>4.09</u> | <u>\$195.00</u> |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon HD 7670</u> | 797 | 902 | NA | NA |
| <u>Radeon R5 M435</u> | 797 | 904 | NA | NA |
| <u>Radeon R7 PRO A12-8800B</u> | 797 | 903 | NA | NA |
| <u>Radeon HD 8650G N HD 8650G + HD 8600/8700M Dual</u> | 796 | 905 | NA | NA |
| <u>Radeon HD 8550G + 8750M Dual</u> | 795 | 906 | NA | NA |
| <u>Quadro 2000M</u> | 793 | 907 | <u>3.45</u> | <u>\$229.74*</u> |
| <u>Radeon R5 PRO A8-9600B R5_10 COMPUTE CORES 4C+6G</u> | 787 | 908 | NA | NA |
| <u>Radeon HD 8650G + 8750M Dual</u> | 786 | 909 | NA | NA |
| <u>Quadro K420</u> | 783 | 911 | <u>2.91</u> | <u>\$269.00*</u> |
| <u>Radeon R8 M445DX</u> | 783 | 910 | NA | NA |
| <u>GeForce GT 740M</u> | 782 | 912 | NA | NA |
| <u>Radeon 535DX</u> | 782 | 913 | NA | NA |
| <u>Radeon HD 5670</u> | 781 | 914 | <u>13.03</u> | <u>\$59.99</u> |
| <u>Radeon R7 A365</u> | 781 | 916 | NA | NA |
| <u>Radeon R7 PRO A6-9500 2C+6G</u> | 781 | 915 | NA | NA |
| <u>Radeon R7 PRO A12-9800B</u> | 779 | 917 | NA | NA |
| <u>Radeon HD 8650G + HD 8750M Dual</u> | 778 | 918 | NA | NA |

| <u>GRID P40-4Q</u> | Passmark G3D | Rank | Videocard | NA |
|---|--------------|-----------|-----------------------|--------------------------|
| Videocard Name | Mark | (lower is | Value | Price |
| | (higher is | better) | (higher is | (USD) |
| <u>Quadro FX 3800</u> | 770 | 921 | 3.21 | \$148.00 |
| <u>GeForce GT 440</u> | 775 | 923 | 3.56 | \$218.00 |
| <u>Radeon HD 7640G + 7500M/7600M Dual</u> | 775 | 922 | NA | NA |
| <u>GeForce GT 340</u> | 774 | 924 | 14.62 | \$52.99* |

| <u>RadeonT Vega 3</u> | 774 | -1 | NA | NA |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Mobility Radeon HD 5000</u> | 773 | 927 | NA | NA |
| <u>Radeon HD 7600M + 7600M Dual</u> | 773 | 925 | NA | NA |
| <u>Radeon HD 8650G N HD 8650G + HD 8570M Dual</u> | 773 | 926 | NA | NA |
| <u>Radeon R9 M375</u> | 773 | 928 | NA | NA |
| <u>GeForce 730A</u> | 772 | 929 | NA | NA |
| <u>Quadro K1000M</u> | 770 | 931 | 11.01 | \$69.95* |
| <u>Radeon R5 PRO A6-9500E 2C+4G</u> | 770 | 930 | NA | NA |
| <u>GeForce 9800 GTX</u> | 769 | 933 | 7.69 | \$99.99 |
| <u>Radeon HD 4810</u> | 769 | 932 | NA | NA |
| <u>GeForce 825M</u> | 768 | 934 | NA | NA |
| <u>Intel UHD 615</u> | 767 | 937 | NA | NA |
| <u>Quadro K600</u> | 767 | 936 | 12.74 | \$60.24* |
| <u>Radeon R7 A10-7890K</u> | 767 | 935 | NA | NA |
| <u>Radeon R7 A12-9720P RADEON</u> | 764 | 938 | 2.09 | \$365.48* |
| <u>Mobility Radeon HD 5850</u> | 763 | 940 | NA | NA |
| <u>Radeon HD 8650G + HD 8600/8700M Dual</u> | 763 | 939 | NA | NA |
| <u>Radeon HD 6450 + 8470D Dual</u> | 762 | 941 | NA | NA |
| <u>Radeon HD 7660G + HD 7500/7600 Dual</u> | 760 | 942 | NA | NA |
| <u>Radeon HD 7660G + HD 8500M Dual</u> | 758 | 943 | NA | NA |
| <u>Intel Iris 5100</u> | 757 | 946 | NA | NA |
| <u>Radeon HD 7660G + 7700M Dual</u> | 757 | 947 | NA | NA |
| <u>Radeon HD 8650G + HD 8600M N HD 8600M Dual</u> | 757 | 945 | NA | NA |
| <u>Radeon R7 PRO A10-9700B</u> | 757 | 944 | NA | NA |
| <u>Quadro 1100M</u> | 755 | 948 | NA | NA |
| <u>Radeon HD 7640G + 7450M Dual</u> | 754 | 950 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon R7 A8-7600</u> | 754 | 949 | NA | NA |
| <u>Radeon HD 8570D + HD 7000 Dual</u> | 753 | 951 | NA | NA |
| <u>Incredible HD 4600</u> | 749 | 952 | NA | NA |
| <u>Radeon HD 6650M</u> | 749 | 953 | NA | NA |

| <u>Radeon M565DX</u> | Passmark G3D Mark 749 (higher is | Rank 956 (lower is | Videocard Value NA (higher is | Price NA (lower is |
|---|---|--------------------------|--|--------------------------|
| <u>Radeon HD 7660G + HD 8600/8700M Dual</u> | 747 | 956 | NA | NA |
| <u>Radeon HD 8670D + R5 330 Dual</u> | 746 | 957 | NA | NA |
| <u>Radeon HD 7660G + 7610M Dual</u> | 745 | 959 | NA | NA |

| | | | | |
|---|-----|-----|----------------------|---------------------------|
| <u>Radeon R7 M270</u> | 745 | 958 | NA | NA |
| <u>Radeon HD 7660G + 7670M Dual</u> | 743 | 961 | NA | NA |
| <u>Radeon R5 235 + HD 7560D Dual</u> | 743 | 960 | NA | NA |
| <u>GeForce GT 730A</u> | 742 | 962 | NA | NA |
| <u>Radeon HD 8650G + 7600M Dual</u> | 741 | 963 | NA | NA |
| <u>Radeon R7 A8-7680</u> | 740 | 965 | NA | NA |
| <u>Radeon R8 M365DX</u> | 740 | 964 | NA | NA |
| <u>Radeon HD 6670</u> | 739 | 966 | 9.85 | \$74.99 |
| <u>Intel Poison Ivy</u> | 738 | 967 | NA | NA |
| <u>Radeon HD 7670M + 7670M Dual</u> | 738 | 968 | NA | NA |
| <u>Radeon R5 235 + HD 8570D Dual</u> | 737 | 969 | NA | NA |
| <u>Radeon R7 A10-7700K</u> | 736 | 970 | NA | NA |
| <u>Intel UHD 610</u> | 733 | 972 | NA | NA |
| <u>Radeon R7 A10-7800</u> | 733 | 971 | NA | NA |
| <u>Quadro K610M</u> | 731 | 974 | 3.05 | \$240.00* |
| <u>Radeon R5 A10-9620P 4C+6G</u> | 731 | 973 | NA | NA |
| <u>Radeon HD 7550M/7650M</u> | 728 | 975 | NA | NA |
| <u>GeForce 920M</u> | 727 | 978 | NA | NA |
| <u>GRID K140Q</u> | 727 | 976 | NA | NA |
| <u>Radeon HD 6800M</u> | 727 | 977 | NA | NA |
| <u>Intel HD 615</u> | 726 | 981 | NA | NA |
| <u>NVS 510</u> | 726 | 980 | 3.50 | \$207.35 |
| <u>Radeon R7 FX-9800P RADEON</u> | 726 | 979 | 1.37 | \$530.00* |
| <u>GeForce 720A</u> | 724 | 982 | NA | NA |
| <u>Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D</u> | 722 | 983 | NA | NA |
| <u>Radeon HD 8650G + R5 M200 Dual</u> | 722 | 984 | NA | NA |
| <u>Asus GTX 650 FML II EC-EGPU</u> | 720 | 985 | NA | NA |
| <u>Mobility Radeon HD 4870</u> | 719 | 986 | NA | NA |
| <u>Radeon HD 7540D + 6570 Dual</u> | 719 | 987 | NA | NA |
| <u>Radeon HD 8670D + HD 7000 Dual</u> | 718 | 988 | NA | NA |
| <u>Radeon HD 8470D + 6450 Dual</u> | 717 | 989 | NA | NA |
| <u>Radeon HD 8650G + HD 8570M Dual</u> | 716 | 990 | NA | NA |

| <u>Intel HD 5600</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--|---------------------------|--|----------------|
| <u>Radeon HD 3870 X2</u> | 708 | 993 | NA | NA |
| <u>GeForce GT 740A</u> | 707 | 995 | NA | NA |
| <u>Radeon HD 6550A</u> | 707 | 994 | NA | NA |
| <u>Radeon HD 7660G + HD 7670M Dual</u> | 706 | 996 | NA | NA |

| <u>Radeon HD 7640G + 7600M Dual</u> | 705 | 997 | NA | NA |
|---|--|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon HD 7640G + HD 7600M Dual</u> | 704 | 999 | 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 N HD 7660G + HD 7670M Dual</u> | 704 | 998 | NA | NA |
| <u>GeForce GT 555M</u> | 703 | 1000 | 3.97 | \$177.20* |
| <u>Radeon HD 7570M/HD 7670M</u> | 699 | 1002 | NA | NA |
| <u>TRINITY DEVASTATOR MOBILE</u> | 699 | 1001 | NA | NA |
| <u>Radeon R8 M535DX</u> | 698 | 1003 | NA | NA |
| <u>Radeon R5 PRO A10-8730B 4C+6G</u> | 695 | 1004 | NA | NA |
| <u>Radeon R5 PRO A6-9500B 2C+4G</u> | 693 | 1005 | NA | NA |
| <u>Radeon R7 PRO A8-8650B</u> | 692 | 1006 | NA | NA |
| <u>Radeon R5 A10-9600P RADEON R5_10 COMPUTE CORES 4C</u> | 691 | 1007 | NA | NA |
| <u>Radeon HD 7640G + 7700M Dual</u> | 690 | 1008 | NA | NA |
| <u>Radeon R7E</u> | 690 | 1009 | NA | NA |
| <u>GeForce GT 530</u> | 689 | 1011 | 14.06 | \$49.00* |
| <u>Radeon R5 PRO A6-8530B 2C+4G</u> | 689 | 1010 | NA | NA |
| <u>Radeon HD 7640G + 8600/8700M Dual</u> | 688 | 1012 | NA | NA |
| <u>Radeon HD 8650G + R5 M230 Dual</u> | 686 | 1013 | NA | NA |
| <u>Radeon HD 8550D</u> | 685 | 1014 | NA | NA |
| <u>Radeon HD 6630M</u> | 684 | 1015 | NA | NA |
| <u>GeForce GT 640M LE</u> | 682 | 1016 | 0.80 | \$849.99* |
| <u>GRID P40-3Q</u> | 681 | 1018 | NA | NA |
| <u>Radeon R5 A10-9620P RADEON R5_10 COMPUTE CORES 4C</u> | 681 | 1017 | NA | NA |
| <u>Radeon HD 7640G N HD 7640G + HD 7670M Dual</u> | 679 | 1020 | NA | NA |
| <u>Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D</u> | 679 | 1019 | NA | NA |
| <u>GeForce GTS 160M</u> | 678 | 1021 | NA | NA |
| <u>Radeon HD 7640G + HD 8670M Dual</u> | 677 | 1022 | NA | NA |
| <u>GeForce GT 630</u> | 676 | 1023 | 5.48 | \$123.45 |
| <u>Quadro FX 4700 X2</u> | 676 | 1026 | NA | NA |
| <u>Radeon HD 8610G + R5 M200 Dual</u> | 676 | 1025 | NA | NA |

| | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|---|---------------------------|---------------------------------------|---------------------------|
| Radeon R7 A360 | | | | |
| FirePro V3900 | 672 | 1029 | 2.82 | \$238.44* |
| Radeon R7 A12-9700P RADEON | 672 | 1028 | 1.54 | \$435.92* |
| Intel HD 610 | 671 | 1030 | NA | NA |
| FirePro M7740 | 665 | 1032 | NA | NA |

| Radeon HD 7640G + HD 8500M N HD 8500M Dual | 665 | 1031 | NA | NA |
|--|---|---------------------------|---------------------------------------|---------------------------|
| Quadro 500M | 664 | 1034 | 2.41 | \$275.14* |
| Radeon HD 8550G + 8690M Dual | 664 | 1033 | NA | NA |
| FireGL V7700 | 660 | 1036 | 9.43 | \$69.99 |
| Radeon HD 5600/5700 | 660 | 1035 | NA | NA |
| Radeon HD 2900 XT | 659 | 1037 | NA | NA |
| Radeon HD 7660G + HD 7600M Dual | 659 | 1038 | NA | NA |
| Radeon R5 PRO A8-9600B 4C+6G | 658 | 1039 | NA | NA |
| GeForce GT 140 | 657 | 1040 | NA | NA |
| Radeon HD 7730M | 657 | 1041 | NA | NA |
| Radeon HD 8730M | 655 | 1042 | NA | NA |
| Radeon HD 7640G + 8750M Dual | 654 | 1043 | NA | NA |
| Radeon HD 8550G + HD 8600/8700M Dual | 654 | 1044 | NA | NA |
| Radeon HD 8650G + 8570M Dual | 654 | 1045 | NA | NA |
| Professional HD Driver | 653 | 1046 | NA | NA |
| Radeon HD 7520G + HD 8750M Dual | 651 | 1047 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| GeForce GTS 360M | 650 | 1048 | NA | NA |
| SUMO 9640 | 650 | 1049 | NA | NA |
| Radeon R5 M430 | 648 | 1050 | NA | NA |
| FireStream 9170 | 647 | 1051 | NA | NA |
| Radeon HD 6670 + 6670 Dual | 646 | 1052 | NA | NA |
| Radeon R7 M340 | 646 | 1053 | NA | NA |
| Radeon HD 8610G + HD 8500M Dual | 645 | 1054 | NA | NA |
| Radeon HD 7640G + 7670M Dual | 644 | 1055 | NA | NA |
| Radeon HD 7540D + HD 6450 Dual | 643 | 1056 | NA | NA |
| Radeon R6 | 640 | 1057 | NA | NA |
| GeForce 8800 Ultra | 638 | 1059 | NA | NA |
| GeForce GT 710 | 638 | 1060 | 6.02 | \$105.99 |
| Intel HD P4600/P4700 | 638 | 1058 | NA | NA |
| Radeon HD 7640G + 7400M Dual | 637 | 1062 | NA | NA |

| <u>Radeon HD 8450G + 8750M Dual</u> | Passmark G3D Mark | Rank | Videocard Value | NA Price |
|-------------------------------------|--------------------|-------------------|--------------------|----------|
| Videocard Name | (higher is better) | (lower is better) | (higher is better) | (USD) |
| <u>GeForce 8800 G</u> | 633 | 1004 | NA | NA |
| <u>Radeon HD 8650G + 8670M Dual</u> | 635 | 1065 | NA | NA |
| <u>Matrox C420 LP PCIe x16</u> | 634 | 1066 | NA | NA |
| <u>NVS 5400M</u> | 634 | 1068 | NA | NA |

| | | | | |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon HD 8650G + HD 7670M Dual</u> | 634 | 1067 | NA | NA |
| <u>Radeon HD 7660D + HD 7000 Dual</u> | 633 | 1069 | NA | NA |
| <u>Radeon HD 7610M</u> | 632 | 1070 | NA | NA |
| <u>GeForce 9800 GTX/9800 GTX+</u> | 630 | 1073 | 7.01 | \$89.99* |
| <u>Radeon HD 7640G + HD 7700M N HD 7700M Dual</u> | 630 | 1071 | NA | NA |
| <u>Radeon HD 7660G + 7470M Dual</u> | 630 | 1072 | NA | NA |
| <u>Radeon HD 8510G + HD 8500M Dual</u> | 629 | 1074 | NA | NA |
| <u>GRID K160Q</u> | 628 | 1075 | NA | NA |
| <u>Intel HD 4600</u> | 628 | 1076 | NA | NA |
| <u>GeForce GTS 240</u> | 627 | 1078 | 9.65 | \$64.99* |
| <u>Radeon HD 2900 PRO</u> | 627 | 1077 | NA | NA |
| <u>Radeon HD 7640G + 7500/7600 Dual</u> | 627 | 1079 | NA | NA |
| <u>Radeon HD 8650G + 8500M Dual</u> | 626 | 1080 | NA | NA |
| <u>GeForce GT 820M</u> | 625 | 1081 | NA | NA |
| <u>Radeon R5 A6-8500P</u> | 625 | 1082 | NA | NA |
| <u>Intel HD 510</u> | 623 | 1084 | NA | NA |
| <u>Radeon HD 7520G + HD 8600/8700M Dual</u> | 623 | 1083 | NA | NA |
| <u>GeForce 810A</u> | 622 | 1085 | NA | NA |
| <u>Radeon HD 7570</u> | 622 | 1086 | 6.07 | \$102.49* |
| <u>GeForce GTX 280M</u> | 621 | 1088 | NA | NA |
| <u>Radeon HD 7640G + HD 7400M Dual</u> | 621 | 1087 | NA | NA |
| <u>Radeon HD 8570 + 8670D Dual</u> | 620 | 1089 | NA | NA |
| <u>Radeon HD 8550G + R5 M200 Dual</u> | 619 | 1090 | NA | NA |
| <u>Radeon R5 A10-9600P 4C+6G</u> | 619 | 1091 | NA | NA |
| <u>Radeon HD 8550G + 8600M Dual</u> | 617 | 1092 | NA | NA |
| <u>Radeon HD 7500G + 7500M/7600M Dual</u> | 616 | 1093 | NA | NA |
| <u>FireGL V7600</u> | 615 | 1095 | NA | NA |
| <u>GeForce GTS 250</u> | 615 | 1094 | 11.19 | \$54.99 |
| <u>Radeon R7 A8 PRO-7600B</u> | 614 | 1096 | 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> | 613 | 1098 | NA | NA |

| <u>Radeon HD 8650G + 8600M Dual</u> Videocard Name | Passmark G3D Mark (higher is | Price (lower is | Videocard Value (higher is | NA Price (lower is |
|---|------------------------------------|--------------------|----------------------------------|--------------------------|
| <u>Radeon HD 8650G + HD 8650G + HD 8600M N HD 8600M D</u> | 611 | 1100 | NA | NA |
| <u>7900 MOD - Radeon HD 6520G</u> | 610 | 1101 | NA | NA |
| <u>Quadro K510M</u> | 610 | 1102 | NA | NA |
| <u>Radeon HD 8610G + 8500M Dual</u> | 610 | 1103 | NA | NA |

| | | | | |
|---|-----|------|-----------------------|---------------------------|
| <u>GeForce 8800 GTS 512</u> | 607 | 1105 | NA | NA |
| <u>Radeon HD 7640G + HD 8500M Dual</u> | 607 | 1104 | NA | NA |
| <u>Radeon HD 8650G + HD 8600M Dual</u> | 606 | 1107 | NA | NA |
| <u>Radeon R7 M265</u> | 606 | 1106 | NA | NA |
| <u>Radeon R5 A6-9400 RADEON R5. 6 COMPUTE CORES 2C+4G</u> | 605 | 1108 | NA | NA |
| <u>Intel HD P4600</u> | 604 | 1109 | NA | NA |
| <u>Radeon HD 8550G + 8500M Dual</u> | 602 | 1110 | NA | NA |
| <u>GeForce GT 720A</u> | 600 | 1111 | NA | NA |
| <u>GeForce GT 720</u> | 599 | 1113 | 5.99 | \$99.99* |
| <u>Radeon HD 8610G + 8670M Dual</u> | 599 | 1112 | NA | NA |
| <u>Quadro 1000M</u> | 597 | 1114 | 10.97 | \$54.50* |
| <u>GeForce 8800 GTX</u> | 596 | 1115 | 2.98 | \$199.99* |
| <u>Radeon HD 8510G + 8500M Dual</u> | 596 | 1116 | NA | NA |
| <u>Radeon HD 7640G + 7470M Dual</u> | 595 | 1118 | NA | NA |
| <u>Radeon R5 M330</u> | 595 | 1117 | NA | NA |
| <u>Radeon HD 8550G + HD 8600M Dual</u> | 593 | 1119 | NA | NA |
| <u>Radeon HD 7520G + 7600M Dual</u> | 591 | 1120 | NA | NA |
| <u>Radeon HD 7640G + HD 7700M Dual</u> | 589 | 1121 | NA | NA |
| <u>Radeon HD 7520G + 7610M Dual</u> | 588 | 1124 | NA | NA |
| <u>Radeon HD 7660G + 7400M Dual</u> | 588 | 1125 | NA | NA |
| <u>Radeon HD 8610G + 8600M Dual</u> | 588 | 1122 | NA | NA |
| <u>Radeon R5 PRO A10-8730B R5. 10 COMPUTE CORES 4C+6G</u> | 588 | 1123 | NA | NA |
| <u>Radeon HD 7660G + 8670M Dual</u> | 587 | 1126 | NA | NA |
| <u>Radeon HD 7640G + HD 8600/8700M Dual</u> | 586 | 1127 | NA | NA |
| <u>GeForce GT 550M</u> | 585 | 1129 | NA | NA |
| <u>Radeon HD 7640G + 8500M Dual</u> | 585 | 1128 | NA | NA |
| <u>Radeon HD 8650G + HD 8670M Dual</u> | 585 | 1130 | NA | NA |
| <u>Quadro FX 3800M</u> | 584 | 1131 | NA | NA |
| <u>GeForce GT 430</u> | 582 | 1132 | 4.16 | \$139.99 |
| <u>Radeon HD 7520G + 7500/7600 Dual</u> | 582 | 1133 | NA | NA |
| <u>GeForce GT 735M</u> | 580 | 1134 | NA | NA |

| <u>Intel HD 5500</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|----------------------|
| <u>GeForce 9100M</u> | 578 | 1137 | NA | NA |
| <u>Radeon HD 8450G + R5 M230 Dual</u> | 578 | 1138 | NA | NA |
| <u>Radeon HD 7620G + 8670M Dual</u> | 577 | 1140 | NA | NA |
| <u>Radeon HD 8610G + HD 8670M Dual</u> | 577 | 1139 | NA | NA |

| <u>Intel Skylake HD DT GT2</u> | 576 | 1141 | NA | NA |
|---|--|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon R5 A240</u> | 576 | 1142 | NA | NA |
| <u>Radeon HD 3870</u> | 575 | 1143 | 7.20 | \$79.99 |
| <u>Radeon HD 7520G + HD 7700M Dual</u> | 574 | 1144 | NA | NA |
| <u>Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/760</u> | 574 | 1146 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon HD 8450G + HD 8670M Dual</u> | 574 | 1147 | NA | NA |
| <u>Radeon R5 420</u> | 574 | 1145 | 14.39 | \$39.95* |
| <u>Radeon R5 330</u> | 572 | 1148 | 1.68 | \$339.99* |
| <u>Radeon R6 + R7 M265DX Dual</u> | 570 | 1149 | NA | NA |
| <u>GeForce 820A</u> | 568 | 1151 | NA | NA |
| <u>Radeon HD 7560D + 6450 Dual</u> | 568 | 1150 | NA | NA |
| <u>Radeon HD 6610M</u> | 565 | 1152 | NA | NA |
| <u>Radeon 6600M</u> | 563 | 1153 | NA | NA |
| <u>Radeon HD 7560D + R5 235 Dual</u> | 563 | 1155 | NA | NA |
| <u>Radeon HD 7650A</u> | 563 | 1154 | 2.15 | \$262.00* |
| <u>GeForce GT 635M</u> | 562 | 1156 | NA | NA |
| <u>Quadro FX 5600</u> | 561 | 1158 | 3.32 | \$168.98* |
| <u>Radeon R7 A10 PRO-7800B</u> | 561 | 1157 | NA | NA |
| <u>Radeon R6 A8-8600P</u> | 560 | 1159 | NA | NA |
| <u>Radeon HD 7640G + R5 M200 Dual</u> | 559 | 1160 | NA | NA |
| <u>Radeon R7 M360</u> | 559 | 1161 | NA | NA |
| <u>Radeon HD 7640G + 8570M Dual</u> | 558 | 1164 | NA | NA |
| <u>Radeon HD 7640G + 8670M Dual</u> | 558 | 1163 | NA | NA |
| <u>Radeon HD 8550G + HD 8500M Dual</u> | 558 | 1162 | NA | NA |
| <u>Intel HD 5000</u> | 556 | 1165 | 0.89 | \$625.00* |
| <u>Radeon HD 7600G + HD 7500M/7600M Dual</u> | 555 | 1166 | NA | NA |
| <u>GF117</u> | 554 | 1167 | NA | NA |
| <u>GeForce 615</u> | 551 | 1168 | NA | NA |
| <u>Radeon R7 7850A10-7850K</u> | 551 | 1169 | NA | NA |
| <u>FireGL V8650</u> | 550 | 1170 | 3.44 | \$159.99 |

| <u>GeForce GT 240</u> | Passmark G3D | Rank | Videocard | <u>\$139.42</u> |
|--|--------------|-----------|-------------|------------------|
| Videocard Name | Mark | (lower is | Value | Price |
| | (higher is | better) | (higher is | (USD) |
| <u>Mobility Radeon HD 5670</u> | 547 | 1173 | NA | NA |
| <u>Mobility Radeon HD 5570</u> | 547 | 1174 | NA | NA |
| <u>FirePro 3D V5700</u> | 546 | 1175 | <u>1.71</u> | <u>\$319.99*</u> |
| <u>Radeon HD 8550G + HD 8670M Dual</u> | 546 | 1176 | NA | NA |

| <u>FirePro 3D V7750</u> | 545 | 1180 | <u>1.56</u> | <u>\$350.00*</u> |
|---|--------------------|-------------------|--------------------|------------------|
| <u>GeForce GT 630M</u> | 545 | 1177 | NA | NA |
| <u>Quadro 600</u> | 545 | 1178 | <u>7.18</u> | <u>\$76.00*</u> |
| <u>Radeon HD 8450G + 8600M Dual</u> | 545 | 1179 | NA | NA |
| <u>Radeon HD 7520G + HD 7400M Dual</u> | 544 | 1181 | NA | NA |
| <u>Quadro FX 2700</u> | 543 | 1183 | NA | NA |
| <u>Radeon HD 7600G + HD 8670M Dual</u> | 543 | 1182 | NA | NA |
| <u>Radeon HD 7520G + 7470M Dual</u> | 542 | 1184 | NA | NA |
| <u>GeForce GT 435M</u> | 540 | 1185 | NA | NA |
| <u>Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G</u> | 539 | 1187 | NA | NA |
| <u>Radeon R7 M265DX</u> | 539 | 1186 | NA | NA |
| <u>KV SPECTRE LITE MOBILE 25W</u> | 538 | 1188 | NA | NA |
| <u>Radeon R6 PRO A10-8700B 4C+6G</u> | 538 | 1189 | NA | NA |
| <u>Radeon HD 8670D</u> | 537 | 1190 | NA | NA |
| <u>Radeon HD 7560D + HD 7000 Dual</u> | 534 | 1191 | NA | NA |
| <u>GRID K180Q</u> | 533 | 1192 | NA | NA |
| <u>NVS 5200M</u> | 533 | 1193 | NA | NA |
| <u>Radeon HD 8550G + 8570M Dual</u> | 532 | 1194 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| | (higher is better) | (lower is better) | (higher is better) | (USD) |
| <u>Radeon R6 M255DX</u> | 532 | 1195 | NA | NA |
| <u>RADEON HD6530D</u> | 531 | 1197 | NA | NA |
| <u>Radeon R6 PRO A8-8600B 4C+6G</u> | 531 | 1196 | NA | NA |
| <u>Radeon HD 8550G + HD 8570M Dual</u> | 529 | 1198 | NA | NA |
| <u>Radeon HD 7660D</u> | 528 | 1199 | NA | NA |
| <u>Radeon HD 7600G N HD 7600G + HD ON HD Dual</u> | 526 | 1201 | NA | NA |
| <u>Radeon HD 7640G + 6400M Dual</u> | 526 | 1200 | NA | NA |
| <u>Radeon HD 8650D</u> | 525 | 1202 | NA | NA |
| <u>Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G</u> | 524 | 1203 | NA | NA |
| <u>GeForce GT 425M</u> | 523 | 1205 | NA | NA |
| <u>GeForce GTS 250M</u> | 523 | 1206 | NA | NA |
| <u>Radeon HD 7520G + 7670M Dual</u> | 523 | 1207 | NA | NA |

| <u>Videocard Name</u> | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|---|---------------------------|---------------------------------------|----------------|
| <u>Radeon HD 7660D + R5 235 Dual</u> | 520 | -1 | NA | NA |
| <u>MCT USB3.0 External Device</u> | 520 | -1 | NA | NA |
| <u>Radeon HD 8670M</u> | 520 | 1209 | NA | NA |
| <u>GeForce 820M</u> | 518 | 1211 | NA | NA |
| <u>Radeon HD 7640G + HD 7670M Dual</u> | 518 | 1210 | NA | NA |

| | | | | |
|--|-------------------|---------------------------|---------------------------------------|---------------------------|
| <u>GeForce 8800 GT</u> | 517 | 1212 | 3.47 | \$149.00 |
| <u>Incredible HD 4000</u> | 517 | 1213 | NA | NA |
| <u>Intel HD P4000</u> | 516 | 1214 | NA | NA |
| <u>Radeon R5 240</u> | 515 | 1215 | 6.07 | \$85.00* |
| <u>A10-8700P</u> | 513 | 1216 | NA | NA |
| <u>Radeon R5 M255</u> | 513 | 1217 | NA | NA |
| <u>Mobility Radeon HD 4830</u> | 511 | 1218 | NA | NA |
| <u>GeForce 9800 GTX+</u> | 510 | 1219 | NA | NA |
| <u>Radeon HD 7640G + 7610M Dual</u> | 510 | 1220 | NA | NA |
| <u>Radeon HD 7670M</u> | 510 | 1221 | 0.81 | \$629.99* |
| <u>Radeon HD 7600G + HD 7550M Dual</u> | 509 | 1222 | NA | NA |
| <u>Radeon HD 7620G + 8600M Dual</u> | 508 | 1223 | NA | NA |
| <u>Radeon R5 PRO A6-8500B 2C+4G</u> | 508 | 1224 | NA | NA |
| <u>GeForce GT625M</u> | 507 | 1226 | NA | NA |
| <u>Radeon HD 7620G + HD 8670M Dual</u> | 507 | 1225 | NA | NA |
| <u>Radeon R5 PRO A6-9500B R5_6 COMPUTE CORES 2C+4G</u> | 506 | -1 | NA | NA |
| <u>GeForce GTS 150M</u> | 504 | 1227 | NA | NA |
| <u>Radeon HD 8450G + HD 8750M Dual</u> | 503 | 1228 | NA | NA |
| <u>Quadro FX 3700M</u> | 498 | 1230 | 0.54 | \$925.00* |
| <u>Radeon HD 6570</u> | 498 | 1229 | 7.13 | \$69.99 |
| <u>TRINITY SCRAPPER MOBILE</u> | 498 | 1231 | NA | NA |
| <u>GeForce 9600 GT</u> | 497 | 1233 | 3.34 | \$149.00* |
| <u>Radeon HD 7500G + 7550M Dual</u> | 497 | 1235 | NA | NA |
| <u>Radeon HD 8650G</u> | 497 | 1234 | NA | NA |
| <u>SUMO 964A</u> | 497 | 1232 | NA | NA |
| <u>ASUS EAH4870x2</u> | 496 | 1236 | NA | NA |
| <u>Radeon HD 7520G + HD 7670M Dual</u> | 495 | 1237 | NA | NA |
| <u>Radeon R6 A10-8700P</u> | 491 | 1238 | NA | NA |
| <u>Radeon HD8530M</u> | 490 | 1239 | NA | NA |
| <u>GeForce GT 540M</u> | 489 | 1241 | 5.56 | \$87.95* |
| <u>Mobility Radeon HD 5730</u> | 489 | 1240 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |

| | (higher is better) | (lower is better) | (higher is better) | (USD) |
|--|-------------------------------------|------------------------------|-------------------------|-------------|
| <u>Video Card</u> | Mark 488 Mark 488 Mark 488 | Rank (lower is better) | Value NA Mark 488 | Price NA |
| <u>Radeon HD 6870D N HD 8670D + HD</u> | | | | |
| <u>Radeon HD 6870D + R5 M430 Dual</u> | 407 | 1240 | NA | NA |
| <u>Radeon R4E</u> | 487 | 1244 | NA | NA |
| <u>GeForce 710A</u> | 486 | 1245 | NA | NA |
| <u>Radeon HD 7520G + 7400M Dual</u> | 486 | 1246 | NA | NA |

| | | | | |
|---|-----|------|----------------------|---------------------------|
| <u>GeForce GTX 260M</u> | 485 | 1247 | NA | NA |
| <u>Radeon R5 M420</u> | 482 | 1248 | NA | NA |
| <u>Quadro K500M</u> | 480 | -1 | NA | NA |
| <u>Radeon HD 8610G + HD 8600M Dual</u> | 480 | 1249 | NA | NA |
| <u>Mobility Radeon HD 5000 Serisi</u> | 478 | 1250 | NA | NA |
| <u>Mobility Radeon HD 3870 X2</u> | 477 | 1251 | NA | NA |
| <u>GeForce 9800 GT</u> | 475 | 1253 | 4.75 | \$99.99 |
| <u>Radeon HD 5570</u> | 475 | 1252 | 2.90 | \$163.99 |
| <u>Radeon HD 7660G</u> | 475 | 1254 | NA | NA |
| <u>Radeon HD 7640G + HD 8570M Dual</u> | 474 | 1256 | NA | NA |
| <u>Radeon HD 8450G + 8670M Dual</u> | 474 | 1255 | NA | NA |
| <u>FirePro 3D V3800</u> | 472 | 1257 | 3.15 | \$149.99* |
| <u>Radeon HD 7560D</u> | 470 | 1259 | NA | NA |
| <u>Radeon HD 8570D + R5 235 Dual</u> | 470 | 1258 | NA | NA |
| <u>Radeon HD 7600G + 8500M/8700M Dual</u> | 469 | 1260 | NA | NA |
| <u>GeForce 800M</u> | 468 | 1262 | NA | NA |
| <u>Radeon HD 8690A</u> | 468 | 1261 | NA | NA |
| <u>Quadro FX 3600M</u> | 466 | 1263 | NA | NA |
| <u>Radeon HD 7660D + 7470 Dual</u> | 465 | 1265 | NA | NA |
| <u>SUMO 9644</u> | 465 | 1264 | NA | NA |
| <u>FirePro V5700</u> | 464 | 1268 | NA | NA |
| <u>GeForce GT 720M</u> | 464 | 1267 | NA | NA |
| <u>Radeon HD 7550M</u> | 464 | 1266 | NA | NA |
| <u>Mobility Radeon HD 4670</u> | 463 | 1269 | NA | NA |
| <u>GeForce 8800M GTX</u> | 462 | 1270 | NA | NA |
| <u>GeForce 9800M GTX</u> | 461 | 1272 | 1.41 | \$328.50* |
| <u>Radeon R5 M315</u> | 461 | 1271 | NA | NA |
| <u>Radeon HD 7660G + HD 7600M N HD 7600M Dual</u> | 460 | 1273 | NA | NA |
| <u>GeForce 9800M GS</u> | 457 | 1274 | NA | NA |
| <u>GeForce 705M</u> | 455 | 1275 | NA | NA |
| <u>GeForce GT 525M</u> | 455 | 1276 | NA | NA |
| <u>Radeon Vega 2</u> | 454 | 1277 | NA | NA |

| <u>Radeon HD 7520G + 7650M Dual</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--|---------------------------|--|----------------|
| <u>HIS DIGITAL HD 4650 AGP</u> | 452 | 1282 | NA | NA |
| <u>Intel HD Family</u> | 452 | 1283 | NA | NA |
| <u>Mobility Radeon HD 5650</u> | 452 | 1280 | NA | NA |
| <u>Radeon HD 8450G + HD 8600M Dual</u> | 452 | 1281 | NA | NA |

| <u>Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D</u> | 451 | 1284 | NA | NA |
|---|--|---------------------------|---------------------------------------|---------------------------|
| <u>Radeon HD 7570M</u> | 448 | 1285 | NA | NA |
| <u>Radeon HD 7520G + HD 7600M Dual</u> | 447 | 1286 | NA | NA |
| <u>Radeon R7 M260</u> | 447 | 1287 | 0.56 | \$799.00* |
| <u>PHDGD Ivy 5</u> | 445 | 1289 | NA | NA |
| <u>Radeon HD 7660G + 8600M Dual</u> | 445 | 1288 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>GeForce 8800 GTS</u> | 444 | 1292 | 3.19 | \$139.00 |
| <u>Quadro FX 1800M</u> | 444 | 1290 | NA | NA |
| <u>Radeon HD 8570D</u> | 444 | 1291 | NA | NA |
| <u>Radeon HD 8350G</u> | 443 | 1293 | NA | NA |
| <u>GeForce 710M</u> | 442 | 1294 | NA | NA |
| <u>Radeon HD 3850</u> | 442 | 1295 | NA | NA |
| <u>Radeon HD 7620G + HD 8600M Dual</u> | 442 | 1296 | NA | NA |
| <u>GeForce GT 710M</u> | 441 | 1297 | NA | NA |
| <u>Radeon HD 7640G</u> | 441 | 1298 | NA | NA |
| <u>Quadro FX 4600</u> | 439 | 1299 | 1.32 | \$333.25* |
| <u>GeForce GT 320</u> | 437 | 1300 | 13.37 | \$32.69* |
| <u>Radeon R5 Opteron X3216</u> | 436 | 1301 | NA | NA |
| <u>GeForce GT 620M</u> | 435 | 1302 | NA | NA |
| <u>GeForce GT 625M</u> | 435 | 1305 | NA | NA |
| <u>Radeon HD 7600G + HD Dual</u> | 435 | 1303 | NA | NA |
| <u>Radeon HD 8410G</u> | 435 | 1304 | NA | NA |
| <u>Radeon HD 3850 AGP</u> | 432 | 1307 | NA | NA |
| <u>Radeon HD 8570M</u> | 432 | 1308 | NA | NA |
| <u>Radeon R5 M240</u> | 432 | 1306 | NA | NA |
| <u>Quadro 410</u> | 430 | 1309 | 3.33 | \$129.00* |
| <u>GeForce 800A</u> | 428 | 1310 | NA | NA |
| <u>GeForce 9800M GT</u> | 424 | 1311 | NA | NA |
| <u>Radeon HD 7600G + 7550M Dual</u> | 423 | 1313 | NA | NA |
| <u>Radeon HD 7640G + HD 7500/7600 Dual</u> | 423 | 1312 | NA | NA |
| <u>Radeon HD 7640G N HD 7640G + HD</u> | 422 | 1315 | NA | NA |

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|---|------------------------|------------------------------------|----------------------|---------------------------|
| <u>Radeon HD 7840G + HD 7840G + HD 8570M Dual</u> | 722 | 1310 | NA | NA |
| Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) | |
| <u>Radeon R5 M230</u> | 420 | 1310 | NA | NA |
| <u>Intel 4th Generation Haswell HD</u> | 419 | 1317 | NA | NA |
| <u>Quadro FX 2800M</u> | 414 | 1318 | 2.18 | \$190.00* |
| <u>Radeon HD 6550D</u> | 414 | 1319 | NA | NA |

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|---|--------------------------------------|------------------------|------------------------------------|-----------------------------|
| <u>GeForce GT 420M</u> | 412 | 1320 | NA | NA |
| <u>GeForce GTS 350M</u> | 407 | 1321 | NA | NA |
| <u>Radeon HD 7470M</u> | 407 | 1322 | NA | NA |
| <u>Radeon HD 7640G + HD 7600M N HD 7600M Dual</u> | 406 | 1323 | NA | NA |
| <u>RADEON E4690</u> | 405 | 1325 | NA | NA |
| <u>Radeon HD 7600G + 7500M/7600M Dual</u> | 405 | 1324 | NA | NA |
| <u>Quadro FX 1800</u> | 404 | 1326 | 2.99 | \$135.00* |
| <u>Radeon HD 8550G</u> | 403 | 1327 | NA | NA |
| <u>Radeon HD 8610G</u> | 403 | 1328 | NA | NA |
| <u>Mobility Radeon HD 4650</u> | 401 | 1329 | NA | NA |
| <u>FirePro M2000</u> | 400 | 1330 | NA | NA |
| <u>GeForce 8800 GS</u> | 398 | 1332 | NA | NA |
| <u>GeForce GT 420</u> | 398 | 1331 | 2.57 | \$155.00* |
| <u>GeForce 810M</u> | 397 | 1333 | NA | NA |
| <u>Radeon HD 8500M</u> | 393 | 1334 | NA | NA |
| <u>GeForce GT 330</u> | 391 | 1335 | 9.78 | \$39.99* |
| <u>GeForce GT 335M</u> | 391 | 1336 | NA | NA |
| <u>Incredible HD</u> | 389 | 1338 | NA | NA |
| <u>Radeon HD 7600G + 7450M Dual</u> | 389 | 1337 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon R5 M230</u> | 389 | 1339 | NA | NA |
| <u>GeForce 7900 GTX</u> | 387 | 1340 | NA | NA |
| <u>Quadro FX 3700</u> | 387 | 1341 | 1.37 | \$282.87* |
| <u>Intel HD 5300</u> | 386 | 1342 | NA | NA |
| <u>Radeon HD 5550</u> | 383 | 1343 | 6.98 | \$54.99* |
| <u>GeForce 8800M GTS</u> | 382 | 1344 | NA | NA |
| <u>Radeon HD 4670</u> | 379 | 1345 | 1.91 | \$199.00 |
| <u>GeForce 9800M GTS</u> | 378 | 1346 | NA | NA |
| <u>Radeon HD 6490M</u> | 377 | 1347 | 0.32 | \$1,193.03* |
| <u>GeForce GT 130</u> | 376 | 1350 | 2.49 | \$151.34* |
| <u>Quadro FX 2700M</u> | 376 | 1351 | 3.76 | \$99.95* |
| <u>Radeon HD 7520G + 8750M Dual</u> | 376 | 1348 | NA | NA |

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|--|-----------------------------|--------------|--------------------------|-----------------------------|
| Radeon HD 7600G + 6400M Dual | 370 | 1370 | NA | NA |
| Radeon HD 7600G + 6400M Dual | Passmark G3D Mark 370 | Rank 1370 | Videocard Value NA | Price NA |
| Radeon HD 8570D + HD8490 Dual | 374 | 1353 | NA | NA |
| Intel UHD 605 | 371 | 1355 | NA | NA |
| Radeon HD 8510G | 371 | 1354 | NA | NA |
| GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT | 368 | 1356 | NA | NA |
| Matrox Millennium P690 PCIe x16 | 366 | 1357 | NA | NA |
| Mobility Radeon HD 3850 | 365 | 1359 | NA | NA |
| Radeon HD4670 | 365 | 1358 | NA | NA |
| Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D | 364 | 1360 | NA | NA |
| Radeon HD 7660G + HD 8600M Dual | 363 | 1362 | NA | NA |
| Radeon HD 8470D | 363 | 1361 | NA | NA |
| Radeon HD 6620G | 358 | 1363 | NA | NA |
| GeForce GT 620 | 356 | 1364 | 8.93 | \$39.99* |
| Radeon HD 7500G + HD 7500M/7600M Dual | 355 | 1365 | NA | NA |
| Radeon HD 7620G | 355 | 1366 | NA | NA |
| GeForce 9600 GSO | 353 | 1369 | 7.07 | \$49.99* |
| Mobility Radeon HD 565v | 353 | 1368 | NA | NA |
| Radeon HD 6480M | 353 | 1367 | NA | NA |
| Intel HD 505 | 351 | 1370 | NA | NA |
| Radeon HD 8450G | 351 | 1371 | NA | NA |
| Radeon HD 7580D | 350 | 1372 | NA | NA |
| GeForce GT 705 | 349 | 1373 | NA | NA |
| GeForce 9600 GSO 512 | 345 | 1374 | NA | NA |
| GeForce 7950 GT | 344 | 1375 | 1.74 | \$198.00* |
| FireGL V5600 | 341 | 1377 | NA | NA |
| FirePro 3D V3750 | 341 | 1376 | 6.71 | \$50.88* |
| Radeon HD 8310E | 340 | 1378 | NA | NA |
| Radeon HD 7660D + HD 7400 Dual | 339 | 1379 | NA | NA |
| Radeon HD 8400E | 339 | 1380 | NA | NA |
| Qualcomm Adreno 680 GPU | 338 | 1382 | NA | NA |
| Radeon HD 8570D + HD 8470 Dual | 338 | 1381 | NA | NA |
| FirePro RG220 | 335 | 1383 | 0.52 | \$650.18* |
| Intel HD 4000 | 332 | 1384 | 0.21 | \$1,592.95* |
| Intel UHD 600 | 331 | 1386 | NA | NA |
| Radeon R5 310 | 331 | 1385 | 0.66 | \$499.00* |

| <u>Radeon HD 7500G</u> VideoCard Name | Passmark G3D 330 Mark (higher is | Rank (lower is | VideoCard NA Value (higher is | NA Price (USD) |
|--|---|-------------------|--|----------------------------------|
| <u>Radeon HD 7540D</u> | 330 | 1389 | NA | NA |
| <u>Radeon R4</u> | 330 | 1387 | <u>0.83</u> | <u>\$396.99*</u> |
| <u>GeForce 9600 GS</u> | 329 | 1390 | NA | NA |
| <u>Radeon HD 7450M</u> | 329 | 1391 | NA | NA |

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|--|-----|------|----------------------|---------------------------|
| <u>Radeon HD 7600G + HD 7400M Dual</u> | 328 | 1392 | NA | NA |
| <u>GeForce 9700M GTS</u> | 325 | 1393 | NA | NA |
| <u>GeForce GT 120 / 9500 GT</u> | 324 | 1394 | NA | NA |
| <u>GeForce GT 625</u> | 323 | 1395 | NA | NA |
| <u>Radeon E6460</u> | 323 | 1396 | NA | NA |
| <u>Radeon HD 7600G</u> | 323 | 1397 | NA | NA |
| <u>FirePro V3800</u> | 322 | 1398 | 2.58 | \$125.00 |
| <u>RADEON HD6370D</u> | 320 | 1399 | NA | NA |
| <u>GeForce 240M GT</u> | 319 | 1400 | NA | NA |
| <u>Radeon HD 8280</u> | 319 | 1401 | NA | NA |
| <u>GeForce GT 415M</u> | 318 | 1402 | NA | NA |
| <u>Mobility Radeon HD 560v</u> | 318 | 1403 | NA | NA |
| <u>Radeon HD 6530D</u> | 316 | 1404 | NA | NA |
| <u>Radeon HD 7470</u> | 316 | 1405 | 3.89 | \$81.37* |
| <u>Quadro FX 3500</u> | 315 | 1407 | 4.57 | \$68.98* |
| <u>Radeon HD 7520G</u> | 315 | 1406 | NA | NA |
| <u>GeForce GT 230</u> | 312 | 1408 | 7.10 | \$43.99* |
| <u>Radeon HD 7520G + 8600/8700M Dual</u> | 311 | 1409 | NA | NA |
| <u>Radeon HD 6520G</u> | 310 | 1410 | NA | NA |
| <u>GeForce 605</u> | 309 | 1411 | 2.26 | \$136.83* |
| <u>Quadro FX 3500M</u> | 306 | 1412 | 3.06 | \$99.99* |
| <u>Radeon R3</u> | 305 | 1413 | NA | NA |
| <u>Radeon R5E</u> | 304 | 1414 | NA | NA |
| <u>Radeon R5 235</u> | 302 | 1415 | 5.02 | \$60.13* |
| <u>Radeon R1E</u> | 301 | 1416 | NA | NA |
| <u>GeForce GT 610</u> | 300 | 1417 | 1.31 | \$229.99 |
| <u>Radeon HD 7400G</u> | 300 | 1418 | NA | NA |
| <u>Intel HD 500</u> | 299 | 1419 | NA | NA |
| <u>GeForce GT 520</u> | 295 | 1422 | 0.99 | \$299.00 |
| <u>GeForce GT 520MX</u> | 295 | 1421 | NA | NA |
| <u>Radeon R5 235X</u> | 295 | 1420 | NA | NA |
| <u>Intel HD P3000</u> | 294 | 1423 | NA | NA |

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|---|-------------------|------------------------|-----------------|-------|
| <u>GeForce 9600M GT / GeForce GT 220M</u> | 293 | 1425 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank (lower is better) | Videocard Value | Price |
| <u>Radeon HD 2900</u> | 292 | 1428 | NA | NA |
| <u>Radeon HD 8370D</u> | 292 | 1426 | NA | NA |
| <u>GeForce 7900 GS</u> | 291 | 1429 | NA | NA |
| <u>Incredible HD 3000</u> | 291 | -1 | NA | NA |

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|--------------------------------|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>GeForce 7800 GTX</u> | 290 | 1430 | NA | NA |
| <u>GeForce 610M</u> | 288 | 1431 | NA | NA |
| <u>Radeon HD 7450A</u> | 288 | 1432 | NA | NA |
| <u>GeForce 7950 Xtreme</u> | 287 | 1434 | NA | NA |
| <u>Radeon HD 7480D</u> | 287 | 1433 | NA | NA |
| <u>Mobile Intel HD</u> | 284 | 1435 | 0.59 | \$479.98* |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Mobility Radeon HD 5165</u> | 284 | 1437 | NA | NA |
| <u>Radeon HD 7420G</u> | 284 | 1436 | NA | NA |
| <u>Radeon HD 2600 XT</u> | 282 | 1438 | 1.78 | \$159.00* |
| <u>GeForce GT 520M</u> | 279 | 1439 | 9.32 | \$29.95* |
| <u>Radeon HD 6370M</u> | 275 | 1440 | NA | NA |
| <u>Radeon HD 8490</u> | 273 | 1441 | 3.04 | \$89.99 |
| <u>GeForce 9650M GS</u> | 270 | 1443 | NA | NA |
| <u>GeForce Go 7900 GTX</u> | 270 | 1442 | NA | NA |
| <u>Radeon HD 6370D</u> | 269 | 1445 | NA | NA |
| <u>Radeon HD 8280G</u> | 269 | 1444 | NA | NA |
| <u>Radeon HD 5470</u> | 268 | 1446 | NA | NA |
| <u>Mobility Radeon HD 550v</u> | 266 | 1447 | NA | NA |
| <u>GeForce GT 120M</u> | 265 | 1448 | NA | NA |
| <u>Qualcomm Adreno 630 GPU</u> | 265 | 1449 | NA | NA |
| <u>GeForce Go 7950 GTX</u> | 263 | 1450 | NA | NA |
| <u>Radeon HD 6450A</u> | 260 | 1451 | NA | NA |
| <u>Radeon HD 8280E</u> | 260 | 1452 | NA | NA |
| <u>GeForce 7900 GT</u> | 258 | 1454 | 1.30 | \$199.00 |
| <u>Radeon HD 8470</u> | 258 | 1453 | NA | NA |
| <u>Intel HD 3000</u> | 257 | 1455 | 0.27 | \$945.00* |
| <u>Quadro NVS 510M</u> | 253 | 1456 | NA | NA |
| <u>Radeon HD 8400</u> | 253 | 1457 | NA | NA |
| <u>GeForce 510</u> | 252 | 1458 | 3.61 | \$69.99* |
| <u>NVS 4200M</u> | 252 | 1459 | 0.63 | \$399.00* |
| <u>Radeon HD 8330</u> | 251 | 1460 | NA | NA |

| <u>Radeon HD 6480G</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|--|--|---------------------------|--|----------------|
| <u>GeForce 7900 GT/GTO</u> | 247 | 1464 | NA | NA |
| <u>GeForce GT 415</u> | 247 | 1463 | NA | NA |
| <u>CARRIZO 9874</u> | 246 | -1 | NA | NA |
| <u>GeForce 410M</u> | 246 | 1465 | NA | NA |

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|---|--|---------------------------|---------------------------------------|-----------------------------|
| <u>GeForce 7800 GT</u> | 244 | 1466 | 3.05 | \$80.00* |
| <u>Quadro FX 5500</u> | 242 | 1467 | 0.12 | \$1,999.00* |
| <u>Radeon HD 8240</u> | 241 | 1468 | NA | NA |
| <u>Quadro FX 4500</u> | 240 | 1469 | 1.42 | \$169.00* |
| <u>Radeon HD 8330E</u> | 240 | 1470 | NA | NA |
| <u>Radeon HD4650</u> | 239 | 1471 | 1.23 | \$195.84 |
| <u>Radeon R2</u> | 239 | 1472 | NA | NA |
| <u>Radeon HD 7640G + R5 M230 Dual</u> | 238 | -1 | NA | NA |
| <u>NVS 310</u> | 237 | 1473 | 3.44 | \$69.00 |
| <u>Mobility Radeon HD 5470</u> | 236 | 1474 | NA | NA |
| <u>Quadro FX 4500 X2</u> | 236 | 1475 | NA | NA |
| <u>Radeon HD 4550</u> | 235 | 1476 | 1.86 | \$126.99* |
| <u>Mobility Radeon HD 3670</u> | 232 | 1477 | NA | NA |
| <u>Radeon R2E</u> | 229 | 1478 | NA | NA |
| <u>Radeon HD 7450</u> | 228 | 1479 | 4.58 | \$49.99* |
| <u>Quadro FX 880M</u> | 226 | 1480 | NA | NA |
| <u>Quadro NVS 290</u> | 225 | 1481 | 3.82 | \$59.00* |
| <u>GT 430</u> | 223 | 1482 | 1.56 | \$142.88* |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon HD 6470M</u> | 223 | 1483 | 0.39 | \$569.99* |
| <u>Radeon HD 6410D</u> | 221 | 1485 | NA | NA |
| <u>Radeon HD 7340M</u> | 221 | 1486 | NA | NA |
| <u>Radeon R5 230</u> | 221 | 1484 | 2.74 | \$81.10* |
| <u>A6 Micro-6500T Quad-Core APU with RadeonR4</u> | 220 | 1488 | NA | NA |
| <u>HD6450</u> | 220 | 1487 | 3.45 | \$63.99 |
| <u>Mobility FireGL V5725</u> | 219 | 1489 | NA | NA |
| <u>Radeon HD 4650</u> | 218 | 1490 | 1.70 | \$129.00 |
| <u>Quadro FX 2500M</u> | 217 | 1491 | 12.45 | \$17.50* |
| <u>GeForce 9700M GT</u> | 216 | 1492 | NA | NA |
| <u>Radeon HD 6320 Graphic</u> | 216 | 1493 | NA | NA |
| <u>Mobility Radeon. HD 5470</u> | 215 | 1494 | NA | NA |
| <u>GeForce GT 330M</u> | 214 | 1495 | NA | NA |

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|--|-----|------|----------------------|---------------------------|
| <u>GeForce GT 320M</u> | 217 | 1498 | NA | NA |
| <u>Mobility Radeon HD 5450</u> | 214 | 1498 | NA | NA |
| <u>Intel 2nd Generation SandyBridge HD</u> | 212 | 1498 | NA | NA |
| <u>Radeon HD 2600 PRO</u> | 211 | 1500 | 1.12 | \$188.44* |
| <u>WinFast GT 610</u> | 211 | 1499 | NA | NA |
| <u>GeForce Go 7600 GT</u> | 210 | 1501 | NA | NA |

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|---|---|-------------------------------|---|---------------------------|
| <u>GeForce Go 7800 GTX</u> | 209 | 1502 | NA | NA |
| <u>GeForce GT 240M</u> | 208 | 1503 | NA | NA |
| <u>Radeon HD 4650 AGP</u> | 207 | 1504 | NA | NA |
| <u>Barco MXRT 1450</u> | 205 | 1506 | NA | NA |
| <u>GeForce GT 220</u> | 205 | 1508 | 5.13 | \$39.99* |
| <u>Intel 2nd Generation SandyBridge HD 3000</u> | 205 | 1507 | NA | NA |
| <u>Radeon R3E</u> | 205 | 1505 | NA | NA |
| <u>Radeon HD 6380G</u> | 204 | 1509 | 0.51 | \$399.99* |
| <u>GeForce 7600 GT</u> | 203 | 1510 | 1.02 | \$199.00* |
| <u>Radeon HD 8250</u> | 203 | 1511 | NA | NA |
| <u>GeForce 320M</u> | 202 | 1512 | NA | NA |
| <u>GeForce 7950 GX2</u> | 201 | 1513 | 3.67 | \$54.99* |
| <u>GeForce G200</u> | 199 | 1514 | NA | NA |
| <u>GeForce GT 230M</u> | 199 | 1517 | NA | NA |
| <u>Mobility Radeon HD 545v</u> | 199 | 1515 | NA | NA |
| <u>Radeon HD 6450</u> | 199 | 1516 | 2.24 | \$89.00 |
| <u>RADEON HD7450</u> | 199 | 1518 | 8.95 | \$22.25* |
| <u>Radeon HD 6320M</u> | 198 | 1519 | NA | NA |
| <u>Quadro FX 770M</u> | 197 | 1520 | 0.38 | \$527.00* |
| <u>NVS 5100M</u> | 196 | 1521 | NA | NA |
| <u>Radeon HD 7340G</u> | 196 | 1523 | NA | NA |
| <u>Radeon HD 8210</u> | 196 | 1522 | NA | NA |
| <u>GeForce 6800 GS</u> | 195 | 1524 | NA | NA |
| <u>Intel Infoshock HD</u> | 193 | 1525 | NA | NA |
| <u>Radeon HD 7350</u> | 193 | 1527 | NA | NA |
| <u>Radeon HD 8210E</u> | 193 | 1526 | NA | NA |
| <u>Radeon HD 6430M</u> | 192 | 1528 | NA | NA |
| <u>Mobility Radeon HD 2600 XT</u> | 191 | 1529 | NA | NA |
| <u>Mobility Radeon HD 4550</u> | 191 | 1530 | NA | NA |
| <u>GeForce 305M</u> | 190 | 1532 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Intel Q965/Q963 Express</u> | 190 | 1531 | NA | NA |

| <u>Intel Q35 Express</u> | Passmark G3D Mark 188 | Rank 1535 | Videocard Value NA | Price NA |
|--------------------------------|-----------------------|-----------|----------------------|---------------------------|
| <u>Mobility Radeon HD 540v</u> | | | | |
| <u>Intel Q35 Express</u> | 185 | 1535 | NA | NA |
| <u>Quadro FX 1600M</u> | 185 | 1537 | 1.24 | \$149.90* |
| <u>Quadro FX 380</u> | 185 | 1536 | 2.56 | \$72.50* |
| <u>GeForce GT 120</u> | 182 | 1538 | 6.07 | \$29.99* |

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|---|-----|------|----------------------|---------------------------|
| <u>Mobility Radeon HD 5430</u> | 181 | 1539 | NA | NA |
| <u>Barco MXRT 7100</u> | 180 | 1542 | NA | NA |
| <u>Quadro FX 1700M</u> | 180 | 1541 | NA | NA |
| <u>Radeon HD 7310G</u> | 180 | 1540 | NA | NA |
| <u>FireGL V3600</u> | 179 | 1543 | 1.12 | \$160.99* |
| <u>Radeon HD 6230</u> | 179 | 1544 | NA | NA |
| <u>FirePro 3D V3700</u> | 178 | 1545 | 2.10 | \$84.99* |
| <u>GeForce 7800 GS</u> | 177 | 1546 | NA | NA |
| <u>GeForce Go 7900 GS</u> | 176 | 1547 | NA | NA |
| <u>Quadro FX 1500</u> | 175 | 1548 | 1.52 | \$115.01* |
| <u>Mobility Radeon HD 530v</u> | 174 | 1549 | NA | NA |
| <u>Radeon HD 7310 - Carte graphique</u> | 174 | 1550 | NA | NA |
| <u>Quadro FX 1500M</u> | 171 | 1551 | NA | NA |
| <u>FirePro 2460</u> | 170 | 1553 | 2.03 | \$83.99* |
| <u>GeForce GT 325M</u> | 170 | 1554 | NA | NA |
| <u>Radeon HDG 4670</u> | 170 | 1552 | NA | NA |
| <u>Mobility Radeon HD 2600</u> | 167 | 1555 | NA | NA |
| <u>GeForce 7600 GS</u> | 166 | 1556 | 0.95 | \$175.00* |
| <u>Radeon HD 7310M</u> | 166 | 1558 | NA | NA |
| <u>Radeon HD 8350</u> | 166 | 1557 | 2.52 | \$65.99* |
| <u>Intel HD manual-gen9_2015-133271</u> | 165 | 1559 | NA | NA |
| <u>Radeon E6465</u> | 164 | 1560 | NA | NA |
| <u>GeForce 315</u> | 163 | 1562 | 4.95 | \$32.99* |
| <u>VIA/S3G C-645/640 GPU</u> | 163 | 1561 | NA | NA |
| <u>Quadro NVS 320M</u> | 159 | 1563 | NA | NA |
| <u>Radeon HD 7340</u> | 159 | 1564 | 0.29 | \$552.69* |
| <u>GeForce 8600 GTS</u> | 157 | 1565 | 0.88 | \$179.00 |
| <u>GeForce 9500 GS</u> | 157 | 1566 | NA | NA |
| <u>GeForce 9200M GE</u> | 156 | 1567 | NA | NA |
| <u>Radeon HD 4300/4500 Serisi</u> | 155 | 1568 | NA | NA |
| <u>FirePro 2270</u> | 154 | 1569 | 1.20 | \$129.00 |
| <u>GeForce 8200</u> | 153 | 1570 | NA | NA |

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|--------------------------------|-------------------|------------------------|----------------------|---------------------------|
| <u>GeForce GT 130M</u> | 152 | 1571 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank (lower is better) | Videocard Value | Price |
| <u>Radeon HD 4350</u> | 152 | 1571 | NA | NA |
| <u>Quadro 400</u> | 150 | 1575 | 0.62 | \$242.50* |
| <u>Radeon HD 3650 AGP</u> | 150 | 1576 | 0.81 | \$185.00 |
| <u>Radeon HD 3670</u> | 150 | 1574 | NA | NA |
| <u>Mobility Radeon HD 4350</u> | 148 | 1579 | NA | NA |

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|---------------------------------------|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>Quadro FX 3450</u> | 148 | 1577 | 1.24 | \$119.99* |
| <u>Radeon HD 6320</u> | 148 | 1578 | 0.27 | \$554.99* |
| <u>GeForce Go 7700</u> | 147 | 1580 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>ZX Chrome 645/640 GPU</u> | 147 | 1581 | NA | NA |
| <u>GeForce G100</u> | 146 | 1583 | 7.32 | \$19.99* |
| <u>Radeon HD 6300M</u> | 146 | 1582 | NA | NA |
| <u>GeForce 9650M GT</u> | 145 | 1585 | 1.24 | \$117.30* |
| <u>Radeon X1900 GT</u> | 145 | 1584 | NA | NA |
| <u>GeForce 9200</u> | 144 | 1586 | NA | NA |
| <u>S3 5400EW</u> | 144 | 1587 | NA | NA |
| <u>GeForce 6800 GT</u> | 142 | 1588 | NA | NA |
| <u>Quadro FX 580</u> | 142 | 1589 | 1.09 | \$130.00* |
| <u>EG PARK</u> | 141 | -1 | NA | NA |
| <u>Intel Q45/Q43 Express Chipset</u> | 141 | 1590 | NA | NA |
| <u>nForce 760i SLI</u> | 140 | 1595 | NA | NA |
| <u>Radeon HD 4290</u> | 140 | 1592 | NA | NA |
| <u>Radeon HD 6290M</u> | 140 | 1594 | NA | NA |
| <u>RADEON HD 6350</u> | 140 | 1591 | 2.01 | \$69.93* |
| <u>Radeon X1800 GTO</u> | 140 | 1593 | NA | NA |
| <u>Intel Haswell HD - GT2</u> | 139 | 1596 | NA | NA |
| <u>NVS 2100M</u> | 139 | 1597 | NA | NA |
| <u>GeForce 6800 Ultra</u> | 138 | 1598 | NA | NA |
| <u>GeForce 7300 GT</u> | 137 | 1600 | 0.92 | \$149.99* |
| <u>GeForce Go 6800 Ultra</u> | 137 | 1601 | NA | NA |
| <u>Quadro FX 380 LP</u> | 137 | 1602 | NA | NA |
| <u>Radeon HD 5450</u> | 137 | 1599 | 2.11 | \$65.39 |
| <u>Radeon X1900 CrossFire Edition</u> | 137 | 1603 | NA | NA |
| <u>GeForce 6800 XT</u> | 135 | 1605 | NA | NA |
| <u>Mobility Radeon HD 4330</u> | 135 | 1604 | NA | NA |
| <u>EAH5450</u> | 134 | 1611 | 1.22 | \$109.99* |
| <u>GeForce 7650 GS</u> | 134 | 1612 | NA | NA |

| <u>GeForce 9500 GT</u> Videocard Name | Passmark G3D Mark 134 (higher is better) | Rank (lower is better) | Videocard Value 1.57 (higher is better) | <u>\$85.99*</u> Price (USD) |
|--|---|---------------------------|--|-----------------------------------|
| <u>Mobility Radeon X1900</u> | 134 | 1606 | NA | NA |
| <u>Quadro FX 3450/4000 SDI</u> | 134 | 1609 | NA | NA |
| <u>Radeon R5 220</u> | 134 | 1608 | 1.58 | \$85.26* |
| <u>Mobility Radeon HD 4570</u> | 133 | 1613 | 1.75 | \$75.90* |

| <u>GeForce 9600M GT</u> | 131 | 1614 | 1.68 | \$78.20* |
|--------------------------------------|--|---------------------------|---------------------------------------|-----------------------------|
| <u>MOBILITY RADEON X1800</u> | 130 | 1615 | NA | NA |
| <u>RADEON X800 SE</u> | 129 | 1616 | NA | NA |
| <u>FireGL V7300</u> | 128 | 1619 | 0.11 | \$1,189.99* |
| <u>GeForce 8400 GS</u> | 128 | 1620 | 1.49 | \$86.09 |
| <u>GeForce 9300 / nForce 730i</u> | 128 | 1617 | NA | NA |
| <u>Radeon HD 7310</u> | 128 | 1618 | NA | NA |
| <u>All-in-Wonder X1900</u> | 127 | 1622 | NA | NA |
| <u>GeForce Go 7600</u> | 127 | 1621 | NA | NA |
| <u>Mobility Radeon HD 3650</u> | 127 | 1623 | 1.73 | \$73.53* |
| <u>GeForce 205</u> | 126 | 1626 | NA | NA |
| <u>GeForce 9300</u> | 126 | 1624 | 2.15 | \$59.00* |
| <u>Radeon HD 3300</u> | 126 | 1625 | NA | NA |
| <u>GeForce 8700M GT</u> | 125 | 1627 | NA | NA |
| <u>GeForce G210M</u> | 124 | 1628 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>M76M</u> | 124 | 1630 | NA | NA |
| <u>Quadro FX 1400</u> | 124 | 1631 | 0.51 | \$245.01* |
| <u>Quadro FX 380M</u> | 124 | 1632 | NA | NA |
| <u>Seria Mobility Radeon HD 3400</u> | 124 | 1629 | NA | NA |
| <u>Intel Haswell HD - GT1</u> | 123 | 1635 | NA | NA |
| <u>Matrox G200e WDDM 2.0</u> | 123 | 1633 | NA | NA |
| <u>Radeon HD 6310</u> | 123 | 1636 | NA | NA |
| <u>Radeon HD 7290M</u> | 123 | 1634 | NA | NA |
| <u>GeForce 310</u> | 122 | 1638 | 1.13 | \$108.35* |
| <u>Quadro FX 570M</u> | 122 | 1639 | NA | NA |
| <u>Radeon HD 4250</u> | 122 | 1637 | NA | NA |
| <u>GeForce 405</u> | 121 | 1640 | 4.95 | \$24.64* |
| <u>GeForce 9500M G</u> | 121 | 1642 | NA | NA |
| <u>GeForce GT 220M</u> | 121 | 1643 | NA | NA |
| <u>Qualcomm Adreno 618 GPU</u> | 121 | 1641 | NA | NA |
| <u>Extreme AX850 PRO</u> | 120 | 1645 | NA | NA |

| <u>Radeon HD 2400</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | <u>\$74.44</u> Price (USD) |
|---|--|---------------------------|--|----------------------------------|
| <u>GeForce 315M</u> | 118 | 1650 | NA | NA |
| <u>GeForce 9600M GS</u> | 118 | 1647 | NA | NA |
| <u>Radeon HD 2400 XT</u> | 118 | 1648 | NA | NA |
| <u>RV530 PRO</u> | 118 | 1649 | NA | NA |

| <u>FireMV 2260</u> | 117 | 1653 | <u>0.81</u> | <u>\$145.00</u> |
|--|--|---------------------------|---------------------------------------|------------------|
| <u>GeForce 8600 GT</u> | 117 | 1651 | <u>0.74</u> | <u>\$159.00</u> |
| <u>Mobile Intel 45 Express-Chipsatzfamilie</u> | 117 | 1654 | NA | NA |
| <u>Qualcomm Adreno 540 GPU</u> | 117 | 1652 | NA | NA |
| <u>FireGL V7200</u> | 116 | 1657 | NA | NA |
| <u>PHDGD Quantic C3</u> | 116 | 1655 | NA | NA |
| <u>Radeon X1700 Targa Edition</u> | 116 | 1656 | NA | NA |
| <u>NVS 3100M</u> | 115 | 1659 | NA | NA |
| <u>Quadro FX 570</u> | 115 | 1660 | <u>1.00</u> | <u>\$115.00*</u> |
| <u>Radeon HD 7290</u> | 115 | 1661 | NA | NA |
| <u>Radeon X1600 XT</u> | 115 | 1658 | NA | NA |
| <u>FireGL V5200</u> | 114 | 1663 | NA | NA |
| <u>GeForce Go 7800</u> | 114 | 1662 | NA | NA |
| <u>Radeon HD 2400 Pro</u> | 114 | 1664 | NA | NA |
| <u>NVS 300</u> | 113 | 1666 | <u>1.80</u> | <u>\$63.00</u> |
| <u>Quadro FX 560</u> | 113 | 1665 | <u>0.76</u> | <u>\$150.25*</u> |
| <u>FirePro 2260</u> | 112 | 1669 | NA | NA |
| <u>GeForce 310M</u> | 112 | 1668 | NA | NA |
| <u>GeForce 6800</u> | 112 | 1670 | <u>0.20</u> | <u>\$559.29*</u> |
| <u>Intel HD Modded</u> | 112 | 1672 | NA | NA |
| <u>Radeon X1950 Pro</u> | 112 | 1667 | NA | NA |
| <u>Sapphire RADEON X800 GT</u> | 112 | 1671 | NA | NA |
| <u>GeForce G105M</u> | 111 | 1675 | NA | NA |
| <u>Mobility Radeon HD 3400 Serisi</u> | 111 | 1674 | NA | NA |
| <u>Radeon HD 4200</u> | 111 | 1673 | NA | NA |
| <u>FireGL V7350</u> | 110 | 1676 | <u>0.67</u> | <u>\$165.00</u> |
| <u>GeForce 6600 GT</u> | 110 | 1677 | <u>1.71</u> | <u>\$64.95*</u> |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>Radeon HD 2600 Pro AGP</u> | 110 | 1679 | NA | NA |
| <u>Radeon HD 6290</u> | 110 | 1678 | NA | NA |
| <u>GeForce 6800 LE</u> | 109 | 1682 | NA | NA |
| <u>Radeon HD 4270</u> | 109 | 1680 | NA | NA |

| <u>Radeon HD 4330</u> Videocard Name | Passmark G3D 109 Mark (higher is | Rank (lower is | Videocard Value (higher is | NA Price (USD) |
|---|---|-------------------|----------------------------------|----------------------|
| <u>XFX Radeon HD 4650 AGP</u> | 109 | 1681 | NA | NA |
| <u>Quadro FX 370 LP</u> | 108 | 1685 | NA | NA |
| <u>GeForce 8500 GT</u> | 106 | 1688 | NA | NA |
| <u>GeForce Go 6800</u> | 106 | 1690 | NA | NA |

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|---|-----|------|----------------------|---------------------------|
| <u>GeForce GT 320M</u> | 106 | 1686 | NA | NA |
| <u>Radeon Infoshock 3000</u> | 106 | 1687 | NA | NA |
| <u>Radeon X1950 GT</u> | 106 | 1689 | NA | NA |
| <u>GeForce9400M</u> | 105 | 1691 | NA | NA |
| <u>GeForce 9450</u> | 104 | 1692 | NA | NA |
| <u>Intel G33/G31 Express</u> | 104 | 1695 | NA | NA |
| <u>M880G with Mobility Radeon HD 4250</u> | 104 | 1696 | NA | NA |
| <u>Mobility Radeon X1700</u> | 104 | 1693 | NA | NA |
| <u>Quadro FX 3400/4400</u> | 104 | 1694 | NA | NA |
| <u>FireGL V3400</u> | 103 | 1700 | NA | NA |
| <u>GeForce 9500M</u> | 103 | 1699 | 1.02 | \$101.20* |
| <u>GeForce 9500M GS</u> | 103 | 1698 | NA | NA |
| <u>GeForce G210</u> | 103 | 1697 | 0.85 | \$122.12* |
| <u>GeForce 6800 GS/XT</u> | 102 | 1702 | NA | NA |
| <u>Mobility Radeon HD 2400 XT</u> | 102 | 1704 | NA | NA |
| <u>Quadro FX 370 Low Profile</u> | 102 | 1701 | NA | NA |
| <u>Radeon HD 4350</u> | 102 | 1703 | 1.00 | \$102.24 |
| <u>Quadro FX 4000</u> | 101 | 1706 | NA | NA |
| <u>Quadro FX Go1400</u> | 101 | 1705 | NA | NA |
| <u>GeForce 9200M GS</u> | 99 | 1707 | NA | NA |
| <u>GeForce 8400M GS</u> | 98 | 1712 | 1.25 | \$78.20* |
| <u>Mobility Radeon HD 3430</u> | 98 | 1711 | NA | NA |
| <u>Mobility Radeon HD 4250</u> | 98 | 1709 | NA | NA |
| <u>Radeon 3000</u> | 98 | 1710 | 0.31 | \$319.00* |
| <u>Radeon X1600 Pro</u> | 98 | 1708 | NA | NA |
| <u>GeForce 210</u> | 97 | 1717 | 1.70 | \$56.98 |
| <u>GeForce 9300GE</u> | 97 | 1714 | 1.01 | \$97.20* |
| <u>ION LE</u> | 97 | 1713 | NA | NA |
| <u>Quadro NVS 130M</u> | 97 | 1716 | NA | NA |
| <u>RADEON X800 XT</u> | 97 | 1715 | NA | NA |
| <u>Mobility Radeon HD serie 4200</u> | 96 | 1718 | NA | NA |
| <u>Radeon HD 3450</u> | 96 | 1719 | 1.08 | \$89.00 |

| | | | | |
|--------------------------------|--------------------|-------------------|--------------------|-------|
| <u>GeForce 6700 XL</u> | 95 | 1722 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price |
| Intel Media Accelerator HD | (higher is better) | (lower is better) | (higher is better) | (USD) |
| <u>Matrox G200eW3 WDDM 2.0</u> | 94 | 1725 | NA | NA |
| <u>MEDION RADEON X740XL</u> | 94 | 1723 | NA | NA |
| <u>Radeon HD 6250</u> | 94 | 1724 | NA | NA |
| <u>GeForce 8600 GS</u> | 93 | 1729 | NA | NA |

| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|---|---------------------------|---------------------------------------|---------------------------|
| <u>GeForce G102M</u> | 93 | 1727 | NA | NA |
| <u>Mobility Radeon HD 3470</u> | 93 | 1728 | NA | NA |
| <u>Mobility Radeon HD 3470 Hybrid X2</u> | 93 | 1726 | NA | NA |
| <u>Quadro FX 370M</u> | 93 | 1730 | NA | NA |
| <u>FireGL V5100</u> | 92 | 1733 | 0.81 | \$114.96* |
| <u>M880G with Mobility Radeon HD 4200</u> | 92 | 1732 | NA | NA |
| <u>Mobility Radeon HD 4270</u> | 92 | 1731 | NA | NA |
| <u>Mobility Radeon X1600</u> | 92 | 1735 | NA | NA |
| <u>nForce 780a SLI</u> | 92 | 1736 | NA | NA |
| <u>Quadro NVS 150M</u> | 92 | 1734 | NA | NA |
| <u>GeForce 8300</u> | 91 | 1739 | 4.04 | \$22.68* |
| <u>GeForce G205M</u> | 91 | 1738 | NA | NA |
| <u>Mobility Radeon HD 3450</u> | 91 | 1740 | NA | NA |
| <u>RADEON X600XT</u> | 91 | 1737 | NA | NA |
| <u>GeForce 9300M GS</u> | 90 | 1742 | 2.09 | \$43.42* |
| <u>GeForce 9400 GT</u> | 90 | 1743 | 0.58 | \$155.00 |
| <u>Mobility Radeon HD 4200</u> | 90 | 1741 | NA | NA |
| <u>ION</u> | 89 | 1746 | 0.39 | \$229.99* |
| <u>Mobility Radeon HD 2400</u> | 89 | 1745 | NA | NA |
| <u>Radeon HD 3470</u> | 89 | 1744 | 1.49 | \$60.38* |
| <u>GeForce 6610 XL</u> | 88 | 1747 | NA | NA |
| <u>GeForce 6600</u> | 87 | 1748 | 0.34 | \$259.00 |
| <u>GeForce 9400M</u> | 87 | 1749 | NA | NA |
| <u>GeForce 9400</u> | 86 | 1751 | NA | NA |
| <u>Quadro FX 360M</u> | 86 | 1750 | NA | NA |
| <u>Quadro FX 350</u> | 85 | 1752 | NA | NA |
| <u>ALL-IN-WONDER X800 GT</u> | 84 | 1756 | NA | NA |
| <u>FireGL V3200</u> | 84 | 1753 | NA | NA |
| <u>GeForce 8600M GT</u> | 84 | 1759 | 0.78 | \$108.10 |
| <u>GeForce 9300M G</u> | 84 | 1755 | NA | NA |
| <u>Radeon X1300 PRO</u> | 84 | 1757 | NA | NA |

| <u>Radeon X1650 Pro</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
|---|--|---------------------------|--|---------------------------|
| <u>GeForce 999 GTX</u> | 83 | 1760 | NA | NA |
| <u>nForce 750a SLI</u> | 83 | 1762 | NA | NA |
| <u>Quadro FX 370</u> | 83 | 1761 | 0.67 | \$125.00* |
| <u>Radeon HD 3200</u> | 82 | 1763 | NA | NA |

| <u>GeForce 8400</u> | 81 | 1770 | 0.14 | \$589.99* |
|--|--|---------------------------|---------------------------------------|---------------------------|
| <u>GeForce 9100</u> | 81 | 1764 | NA | NA |
| <u>GeForce 9300 SE</u> | 81 | 1768 | NA | NA |
| <u>MOBILITY FireGL V5000</u> | 81 | 1767 | NA | NA |
| <u>Mobility Radeon 4100</u> | 81 | 1772 | NA | NA |
| <u>Mobility Radeon X2500</u> | 81 | 1766 | NA | NA |
| <u>nForce 980a/780a SLI</u> | 81 | 1769 | NA | NA |
| <u>RADEON X800 XT Platinum Edition</u> | 81 | 1771 | NA | NA |
| <u>RADEON X850 XT</u> | 81 | 1773 | NA | NA |
| <u>RADEON X850 XT Platinum Edition</u> | 81 | 1765 | NA | NA |
| <u>Quadro FX 540</u> | 80 | 1774 | 1.35 | \$59.99* |
| <u>Quadro NVS 420</u> | 80 | 1775 | 0.54 | \$150.00* |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>GeForce 7300 GS</u> | 79 | 1776 | NA | NA |
| <u>GeForce 8100 / nForce 720a</u> | 79 | 1778 | NA | NA |
| <u>RADEON X800GT</u> | 79 | 1777 | NA | NA |
| <u>GeForce 9100M G</u> | 78 | 1779 | NA | NA |
| <u>GeForce 8600M GS</u> | 77 | 1780 | NA | NA |
| <u>Quadro NVS 160M</u> | 76 | 1783 | NA | NA |
| <u>Radeon HD 2350</u> | 76 | 1782 | NA | NA |
| <u>RADEON X800 GTO</u> | 76 | 1781 | NA | NA |
| <u>M860G with Mobility Radeon 4100</u> | 75 | 1786 | NA | NA |
| <u>Quadro NVS 295</u> | 75 | 1785 | 1.20 | \$63.00* |
| <u>RADEON X700 PRO</u> | 75 | 1784 | NA | NA |
| <u>GeForce 7350 LE</u> | 74 | 1788 | NA | NA |
| <u>Radeon X1650 GTO</u> | 74 | 1787 | NA | NA |
| <u>FireMV 2450</u> | 73 | 1789 | NA | NA |
| <u>Intel G41 Express Chipset</u> | 73 | 1791 | NA | NA |
| <u>Mobility Radeon HD 4300 Serisi</u> | 73 | 1793 | NA | NA |
| <u>Radeon 3100</u> | 73 | 1790 | 0.32 | \$229.99 |
| <u>RADEON X800 PRO/GTO</u> | 73 | 1792 | NA | NA |
| <u>RADEON X700</u> | 72 | 1795 | NA | NA |

| <u>RADEON X850 PRO</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|---|--|---------------------------|--|--------------------------|
| <u>GeForce 8200M G</u> | 71 | 1797 | NA | NA |
| <u>GeForce 9300 GS</u> | 71 | 1801 | 1.19 | \$59.95* |
| <u>M880G with Mobility Radeon HD 4225</u> | 71 | 1799 | NA | NA |
| <u>MEDION RADEON 9800 XXL</u> | 71 | 1798 | NA | NA |

| <u>Radeon X1650 SE</u> | 71 | 1802 | NA | NA |
|--|--|---------------------------|---------------------------------------|---------------------------|
| <u>RADEON X700 SE</u> | 71 | 1800 | NA | NA |
| <u>Diamond X1300-PCIE 256MB</u> | 70 | 1805 | NA | NA |
| <u>FireGL V3300</u> | 70 | 1804 | NA | NA |
| <u>Radeon X550XTX</u> | 70 | 1803 | NA | NA |
| <u>BASICDISPLAY</u> | 69 | 1806 | NA | NA |
| <u>GeForce 9300 GE</u> | 69 | 1810 | 3.02 | \$22.99* |
| <u>GeForce 9400M G</u> | 69 | 1807 | NA | NA |
| <u>GeForce Go 6600</u> | 69 | 1808 | NA | NA |
| <u>Quadro FX 3000</u> | 69 | 1812 | 0.41 | \$166.61* |
| <u>Quadro NVS 140M</u> | 69 | 1813 | NA | NA |
| <u>Radeon X1600 Pro / X1300XT</u> | 69 | 1811 | NA | NA |
| <u>RADEON X800 XL</u> | 69 | 1809 | NA | NA |
| <u>FireGL V3350</u> | 68 | 1814 | NA | NA |
| <u>GeForce 8400 SE</u> | 68 | 1816 | NA | NA |
| <u>Intel B43 Express Chipset</u> | 68 | 1815 | NA | NA |
| <u>256MB RADEON X600</u> | 67 | 1820 | NA | NA |
| <u>GeForce G 105M</u> | 67 | 1819 | NA | NA |
| <u>Intel G45/G43/G41 Express Chipset</u> | 67 | 1817 | NA | NA |
| <u>Matrox G200eR WDDM 2.0</u> | 67 | 1818 | NA | NA |
| <u>128MB DDR Radeon 9800 Pro</u> | 66 | 1827 | NA | NA |
| <u>GeForce 8300 GS</u> | 66 | 1823 | NA | NA |
| <u>Intel G45/G43 Express Chipset</u> | 66 | 1821 | NA | NA |
| <u>Mobility Radeon HD 4225</u> | 66 | 1826 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>MOBILITY RADEON X700</u> | 66 | 1822 | NA | NA |
| <u>Quadro NVS 135M</u> | 66 | 1824 | NA | NA |
| <u>Radeon X1550</u> | 66 | 1825 | 0.43 | \$155.00* |
| <u>GeForce 7500 LE</u> | 65 | 1828 | NA | NA |
| <u>GeForce Go 7400</u> | 65 | 1829 | NA | NA |
| <u>Quadro NVS 450</u> | 65 | 1830 | 0.41 | \$159.00* |
| <u>M71-M</u> | 64 | 1832 | NA | NA |

| Mobile Intel 965 Express Videocard Name | Passmark G3D Mark (higher is | Rank (lower is | Videocard Value (higher is | NA Price (USD) |
|--|------------------------------------|-------------------|----------------------------------|--------------------------|
| GeForce 8400M GT | 63 | 1834 | NA | NA |
| Quadro FX 550 | 63 | 1835 | 0.25 | \$259.51 |
| 128 DDR Radeon 9800 Pro | 62 | 1839 | NA | NA |
| Intel HD manual-15.28-1861 | 62 | 1837 | NA | NA |

| | | | | |
|---|----|------|----------------------|---------------------------|
| MOBILITY FireGL V3200 | 62 | 1838 | NA | NA |
| Mobility Radeon HD 3410 | 62 | 1836 | NA | NA |
| GeForce G 103M | 61 | 1840 | NA | NA |
| SAPPHIRE Radeon X1550 | 61 | 1841 | NA | NA |
| FireGL X1 | 59 | 1847 | NA | NA |
| GeForce FX 5950 Ultra | 59 | 1846 | NA | NA |
| Matrox G200e WDDM 1.2 | 59 | 1845 | NA | NA |
| MOBILITY RADEON X700 XL | 59 | 1842 | NA | NA |
| Radeon 2100 | 59 | 1843 | 0.30 | \$199.99 |
| RADEON 9800 PRO | 59 | 1844 | NA | NA |
| GeForce 6800 XE | 58 | 1848 | NA | NA |
| GeForce 8400M G | 58 | 1849 | NA | NA |
| Radeon X1300 | 58 | 1850 | 0.44 | \$132.98* |
| Intel - Express Chipset Q45/Q43 | 57 | 1851 | NA | NA |
| Intel G41 Express-Chipsatz | 57 | 1853 | NA | NA |
| Intel Q45/Q43 Express-Chipsatz | 57 | 1854 | NA | NA |
| RADEON 9800 | 57 | 1852 | 0.18 | \$325.00 |
| Intel - Express Chipset G41 | 56 | 1856 | NA | NA |
| RADEON 9800 XT | 56 | 1855 | NA | NA |
| RADEON X550XT | 56 | 1858 | NA | NA |
| RADEON X600 256MB HyperMemory | 56 | 1857 | NA | NA |
| GeForce 7300 LE | 55 | 1859 | 1.74 | \$32.00* |
| RADEON 9700 PRO | 53 | 1860 | NA | NA |
| FireGL V3100 | 52 | 1861 | NA | NA |
| GeForce 7300 SE/7200 GS | 52 | 1862 | NA | NA |
| GeForce Go 7300 | 52 | 1864 | NA | NA |
| Radeon Xpress 1300 | 52 | 1863 | NA | NA |
| FirePro 2450 | 51 | 1871 | 0.18 | \$278.00* |
| GeForce 6600 LE | 51 | 1869 | NA | NA |
| GeForce 7100 GS | 51 | 1866 | NA | NA |
| GeForce FX Go5700 | 51 | 1868 | NA | NA |
| Matrox G200eh WDDM 1.2 | 51 | 1865 | NA | NA |

| | | | | | |
|--------------------------------|--------------------|-------------------|--------------------|-------|----|
| <u>Mobile Intel 45 Express</u> | 51 | Passmark G3D Mark | 1870 | NA | NA |
| Videocard Name | Mark | Rank | Videocard Value | Price | |
| <u>Radeon R7200</u> | 50 | (lower is better) | (higher is better) | (USD) | |
| <u>Mobility Radeon HD 2300</u> | 50 | 1873 | NA | NA | |
| Videocard Name | Passmark G3D Mark | Rank | Videocard Value | Price | |
| | (higher is better) | (lower is better) | (higher is better) | (USD) | |
| <u>MOBILITY RADEON X600</u> | 50 | 1874 | NA | NA | |

| | | | | |
|---|----|------|----------------------|--------------------------|
| <u>RADEON X550</u> | 50 | 1872 | NA | NA |
| <u>128MB RADEON X600 SE</u> | 49 | 1879 | 0.87 | \$56.18* |
| <u>MOBILITY RADEON X600 SE</u> | 49 | 1877 | NA | NA |
| <u>Radeon X1050</u> | 49 | 1878 | NA | NA |
| <u>Radeon X1600</u> | 49 | 1876 | NA | NA |
| <u>Mobility Radeon X2300</u> | 48 | 1881 | NA | NA |
| <u>Mobility Radeon X2300 HD</u> | 48 | 1880 | NA | NA |
| <u>Quadro NVS 110M</u> | 47 | 1883 | NA | NA |
| <u>Radeon X1550 64-bit</u> | 47 | 1882 | NA | NA |
| <u>SAPPHIRE RADEON 9600 ATLANTIS</u> | 47 | 1884 | NA | NA |
| <u>MOBILITY RADEON 9800</u> | 46 | 1886 | NA | NA |
| <u>Quadro NVS 120M</u> | 46 | 1885 | NA | NA |
| <u>FireMV 2250</u> | 45 | 1887 | 0.46 | \$99.00 |
| <u>GeForce 6200 TurboCache</u> | 45 | 1888 | NA | NA |
| <u>GeForce Go 7200</u> | 45 | 1890 | NA | NA |
| <u>Matrox G200eh WDDM 2.0</u> | 45 | 1891 | NA | NA |
| <u>Matrox G200eR WDDM 1.2</u> | 45 | 1889 | NA | NA |
| <u>128 DDR Radeon 9700 TX w/TV-Out</u> | 44 | 1897 | NA | NA |
| <u>GeForce Go 6600 TE/6200 TE</u> | 44 | 1893 | NA | NA |
| <u>Mobile Intel 4 Express-Chipsatzfamilie</u> | 44 | 1896 | NA | NA |
| <u>Mobile Intel serie 4 Express</u> | 44 | 1895 | NA | NA |
| <u>MOBILITY FireGL V5200</u> | 44 | 1892 | NA | NA |
| <u>Quadro FX 350M</u> | 44 | 1894 | NA | NA |
| <u>Matrox M9138 LP PCIe x16</u> | 42 | 1901 | NA | NA |
| <u>Mobility Radeon X1400</u> | 42 | 1898 | NA | NA |
| <u>RADEON 9600 PRO</u> | 42 | 1899 | NA | NA |
| <u>Radeon Xpress 1250</u> | 42 | 1900 | NA | NA |
| <u>GeForce FX 5900 Ultra</u> | 41 | 1903 | NA | NA |
| <u>RADEON 9500 PRO / 9700</u> | 41 | 1902 | NA | NA |
| <u>GeForce FX 5700</u> | 40 | 1905 | NA | NA |
| <u>GeForce FX 5900XT</u> | 40 | 1909 | NA | NA |
| <u>Gigabyte RADEON X300</u> | 40 | 1904 | NA | NA |
| <u>GeForce 6200</u> | 40 | 1897 | NA | NA |

| | | | | |
|----------------------|-------------------|------------------------|-----------------|-------|
| <u>Matrox G200eh</u> | 40 | 1907 | NA | NA |
| Videocard Name | Passmark G3D Mark | Rank (lower is better) | Videocard Value | Price |
| MOBILITY FIREGL T2 | Mark | Value | Value | Mark |

| | | | | |
|-----------------------------------|----|------|----|----|
| <u>GeForce 7050 / nForce 620i</u> | 39 | 1917 | NA | NA |
| <u>GeForce 7300 SE</u> | 39 | 1916 | NA | NA |
| <u>GIGABYTE RADEON 9600 PRO</u> | 39 | 1915 | NA | NA |
| <u>Matrox G200eW</u> | 39 | 1911 | NA | NA |

| | | | | |
|---|--------------------------------------|------------------------|------------------------------------|---------------------------|
| <u>MOBILITY RADEON 9600/9700</u> | 39 | 1914 | NA | NA |
| <u>Mobility Radeon X1300</u> | 39 | 1912 | NA | NA |
| <u>Mobility Radeon X1350</u> | 39 | 1910 | NA | NA |
| <u>S3 Chrome 430 ULP</u> | 39 | 1913 | NA | NA |
| <u>GeForce 6500</u> | 38 | 1919 | NA | NA |
| <u>Mobile Intel - famiglia Express Chipset 45</u> | 38 | 1918 | NA | NA |
| <u>Quadro NVS 285 128MB</u> | 38 | 1920 | 0.70 | \$55.00* |
| <u>RADEON X300SE</u> | 38 | 1921 | NA | NA |
| <u>256MB DDR Radeon 9800 XT</u> | 37 | 1922 | 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 | 1925 | NA | NA |
| <u>Quadro NVS 440</u> | 37 | 1923 | 0.30 | \$124.99* |
| <u>Radeon X1250</u> | 37 | 1924 | NA | NA |
| <u>CONNECT 3D RADEON X300</u> | 36 | 1927 | NA | NA |
| <u>FireMV 2200 PCIe</u> | 36 | 1929 | 0.40 | \$89.99* |
| <u>Matrox G200eR</u> | 36 | 1926 | NA | NA |
| <u>MOBILITY RADEON 9600</u> | 36 | 1930 | NA | NA |
| <u>RADEON 9500</u> | 36 | 1928 | 0.90 | \$40.50* |
| <u>GeForce 6200</u> | 35 | 1934 | 0.28 | \$125.00 |
| <u>GeForce 7100 / nForce 630i</u> | 35 | 1932 | NA | NA |
| <u>Quadro FX 1100</u> | 35 | 1931 | 0.17 | \$212.99* |
| <u>Quadro NVS 285</u> | 35 | 1935 | 0.21 | \$169.86* |
| <u>RADEON 9600 XT</u> | 35 | 1936 | NA | NA |
| <u>Radeon Xpress 1200</u> | 35 | 1933 | NA | NA |
| <u>GeForce 6150 LE</u> | 34 | 1946 | NA | NA |
| <u>GeForce 7025 / nForce 630a</u> | 34 | 1938 | NA | NA |
| <u>GeForce FX 5700 Ultra</u> | 34 | 1943 | NA | NA |
| <u>GeForce FX 5900</u> | 34 | 1940 | NA | NA |
| <u>GeForce PCX 5750</u> | 34 | 1937 | NA | NA |
| <u>GeForce PCX 5900</u> | 34 | 1944 | NA | NA |
| <u>Quadro FX 1000</u> | 34 | 1942 | NA | NA |
| <u>Quadro FX 1300</u> | 34 | 1941 | NA | NA |

| <u>RADEON 9550</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | <u>\$31.88*</u> Price (USD) |
|--------------------------------------|--|---------------------------|--|-----------------------------------|
| <u>GeForce 7150 / nForce 630i</u> | 33 | 1951 | NA | NA |
| <u>GeForce FX 5700VE</u> | 33 | 1950 | NA | NA |
| <u>MOBILITY FIREGL T2/T2e</u> | 33 | 1948 | NA | NA |
| <u>Mobility Radeon X1450</u> | 33 | 1949 | NA | NA |

| <u>MOBILITY RADEON X300</u> | 33 | 1947 | NA | NA |
|---|--|---------------------------|---------------------------------------|-----------------|
| <u>GeForce 6200 A-LE</u> | 32 | 1955 | NA | NA |
| <u>GeForce FX 5900ZT</u> | 32 | 1953 | NA | NA |
| <u>Intel Media Accelerator</u> | 32 | 1952 | NA | NA |
| <u>Radeon X1200</u> | 32 | 1954 | NA | NA |
| <u>GeForce 6200 LE</u> | 31 | 1957 | <u>0.75</u> | <u>\$41.24*</u> |
| <u>Radeon X1270</u> | 31 | 1958 | NA | NA |
| <u>Red Hat QXL controller</u> | 31 | 1956 | NA | NA |
| <u>All-in-Wonder X1800XL</u> | 30 | 1964 | NA | NA |
| <u>FireGL T2-128</u> | 30 | 1960 | NA | NA |
| <u>GeForce 6150SE nForce 430</u> | 30 | 1963 | NA | NA |
| <u>GeForce 7050 PV / nForce 630a</u> | 30 | 1961 | NA | NA |
| <u>MOBILITY RADEON 9550</u> | 30 | 1962 | NA | NA |
| <u>OpenXT Display Driver</u> | 30 | 1959 | NA | NA |
| <u>Radeon 9550 / X1050</u> | 29 | 1967 | NA | NA |
| <u>Radeon Xpress 1150</u> | 29 | 1965 | NA | NA |
| <u>RADEON XPRESS 200</u> | 29 | 1966 | NA | NA |
| <u>Matrox M9128 LP PCIe x16</u> | 28 | 1968 | NA | NA |
| <u>GeForce 6100</u> | 27 | 1972 | NA | NA |
| <u>GeForce 7050 / nForce 630i</u> | 27 | 1974 | NA | NA |
| <u>MOBILITY FireGL V5250</u> | 27 | 1970 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>MOBILITY RADEON 9700</u> | 27 | 1969 | NA | NA |
| <u>MOBILITY RADEON XPRESS 200</u> | 27 | 1973 | NA | NA |
| <u>RADEON 9600SE</u> | 27 | 1971 | NA | NA |
| <u>GeForce 7100 / nForce 620i</u> | 26 | 1977 | NA | NA |
| <u>RADEON 9600 PRO Family</u> | 26 | 1975 | NA | NA |
| <u>Radeon Xpress 1270</u> | 26 | 1976 | NA | NA |
| <u>GeForce 6100 nForce 400</u> | 25 | 1981 | NA | NA |
| <u>GeForce 6100 nForce 420</u> | 25 | 1980 | NA | NA |
| <u>Matrox M9125 PCIe x16</u> | 25 | 1979 | NA | NA |
| <u>PHDGD Sapphire GR for Mobile Intel 965</u> | 25 | 1978 | NA | NA |

| RADEON 9600 Family Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|----------------------|
| GeForce 7050 / nForce 6100 | 24 | 1987 | NA | NA |
| GeForce FX 5700LE | 24 | 1985 | NA | NA |
| GeForce Go 6400 | 24 | 1988 | NA | NA |
| Intel G965 Express | 24 | 1986 | NA | NA |

| | | | | |
|--|----|------|----------------------|---------------------------|
| Mobile Intel 965 Express-Chipsatzfamilie | 24 | 1989 | NA | NA |
| MOBILITY RADEON 9600 PRO TURBO | 24 | 1983 | NA | NA |
| ALL-IN-WONDER 9800 | 23 | 1993 | NA | NA |
| GeForce 6100 nForce 430 | 23 | 1995 | NA | NA |
| GeForce 7200 GS | 23 | 1994 | NA | NA |
| Matrox M9140 LP PCIe x16 | 23 | 1992 | NA | NA |
| Quadro NVS 210S | 23 | 1990 | NA | NA |
| RADEON 9800 SE | 23 | 1991 | NA | NA |
| GeForce 6100 nForce 405 | 22 | 1998 | NA | NA |
| RADEON A9800XT | 22 | 1996 | NA | NA |
| RADEON XPRESS 200M | 22 | 1997 | NA | NA |
| 9xx Soldiers sans frontières Sigma 2 | 21 | 2000 | NA | NA |
| GeForce 6150 | 21 | 1999 | 0.07 | \$329.00* |
| PHDGD Solo 2 x64 | 20 | 2002 | NA | NA |
| Quadro NVS 210S / GeForce 6150LE | 20 | 2001 | NA | NA |
| GeForce Go 6150 | 19 | 2004 | NA | NA |
| Matrox M9120 PCIe x16 | 19 | 2003 | NA | NA |
| GeForce 7150M / nForce 630M | 18 | 2009 | NA | NA |
| Intel 82945G Express | 18 | 2005 | NA | NA |
| Quadro FX 2000 | 18 | 2011 | NA | NA |
| QXL KMDOD | 18 | 2006 | NA | NA |
| RADEON 9600 TX Family | 18 | 2008 | NA | NA |
| RADEON XPRESS 200 CROSSFIRE | 18 | 2010 | NA | NA |
| S3 Chrome S25 DDR2 | 18 | 2007 | NA | NA |
| GeForce FX 5600 Ultra | 17 | 2015 | NA | NA |
| GeForce FX Go 5600 | 17 | 2013 | NA | NA |
| GeForce Go 6100 | 17 | 2012 | NA | NA |
| Mobile Intel965 Express | 17 | 2014 | NA | NA |
| GeForce FX Go5650 | 16 | 2016 | NA | NA |
| GRID V100-8Q | 16 | 2017 | NA | NA |
| GeForce Go 6200 | 15 | 2019 | NA | NA |
| NV44 | 15 | 2018 | NA | NA |

| <u>Quadro FX 500/600 PCI</u> | 14 | 2020 | NA | NA |
|------------------------------------|--------------|-----------|-----------------|-------|
| | Passmark G3D | Rank | Videocard | Price |
| Videocard Name | Mark | (lower is | Value | Price |
| | Passmark G3D | Rank | Videocard-Value | Price |
| <u>Radeon HD 2400 PCI</u> | 14 | 2021 | NA | NA |
| <u>GeForce 7000M</u> | 13 | 2022 | NA | NA |
| <u>GeForce 7000M / nForce 610M</u> | 12 | 2023 | NA | NA |
| <u>GeForce FX 5200 Ultra</u> | 12 | 2026 | NA | NA |

| | | | | |
|--|----|------|----------------------|---------------------------|
| <u>GeForce FX 5600</u> | 12 | 2024 | NA | NA |
| <u>GeForce FX Go5300</u> | 12 | 2025 | NA | NA |
| <u>FireMV 2400 PCIe</u> | 11 | 2028 | NA | NA |
| <u>GeForce FX 5200SE</u> | 11 | 2027 | NA | NA |
| <u>PHDGD Solo 1.2.0 x86</u> | 11 | 2030 | NA | NA |
| <u>RGH Drivers v3</u> | 11 | 2029 | NA | NA |
| <u>Familia Intel Q33 Express Chipset</u> | 10 | 2033 | NA | NA |
| <u>Master X3100 Driver</u> | 10 | 2031 | NA | NA |
| <u>MOBILITY IGP 9000/9100</u> | 10 | 2032 | NA | NA |
| <u>ASUS A7000</u> | 9 | 2037 | NA | NA |
| <u>GeForce FX 5600XT</u> | 9 | 2038 | NA | NA |
| <u>Matrox M9148 LP PCIe x16</u> | 9 | 2034 | NA | NA |
| <u>Matrox Parhelia 256MB</u> | 9 | 2035 | NA | NA |
| <u>VIA Chrome9 HD IGP</u> | 9 | 2036 | NA | NA |
| <u>GeCube RADEON 7000</u> | 8 | 2039 | NA | NA |
| <u>GeForce FX 5500</u> | 8 | 2042 | 0.05 | \$154.97 |
| <u>GeForce FX Go 5200</u> | 8 | 2040 | NA | NA |
| <u>Intel 82945G Express-Chipsatzfamilie</u> | 8 | 2045 | NA | NA |
| <u>Intel Q35 Embedded</u> | 8 | 2041 | NA | NA |
| <u>Mobile Intel 965 Express - BR-0907-0461 v1839</u> | 8 | 2043 | NA | NA |
| <u>Quadro NVS 280 PCI</u> | 8 | 2044 | 0.06 | \$130.00* |
| <u>ASUS V9520-X V62.11</u> | 7 | 2048 | NA | NA |
| <u>Famille de jeu de puces Express Intel 946GZ</u> | 7 | 2051 | NA | NA |
| <u>GeForce FX 5100</u> | 7 | 2047 | NA | NA |
| <u>GeForce FX 5200</u> | 7 | 2050 | 0.06 | \$129.00 |
| <u>GeForce FX 5200LE</u> | 7 | 2054 | 0.16 | \$42.99* |
| <u>GeForce4 Ti 4400</u> | 7 | 2053 | NA | NA |
| <u>Intel US15 Embedded Media and Controller</u> | 7 | 2052 | NA | NA |
| <u>MOBILITY RADEON 9000 IGP</u> | 7 | 2046 | NA | NA |
| <u>Quadro FX 500/FX 600</u> | 7 | 2049 | NA | NA |
| <u>GeForce PCX 5300</u> | 6 | 2064 | NA | NA |

| <u>GeForce2 Ultra</u> Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | NA Price (USD) |
|--|--|---------------------------|--|----------------------|
| <u>GeForce4 Ti 4800 SE</u> | 6 | 2056 | NA | NA |
| <u>Intel Media Accelerator 600</u> | 6 | 2055 | NA | NA |
| <u>Matrox Millennium P690 Plus LP PCIe x16</u> | 6 | 2057 | NA | NA |
| <u>MOBILITY RADEON 7000 IGP</u> | 6 | 2063 | NA | NA |

| <u>Quadro NVS 55/280 PCI</u> | 6 | 2066 | NA | NA |
|--|--|---------------------------|---------------------------------------|---------------------------|
| <u>Quadro4 380 XGL</u> | 6 | 2058 | NA | NA |
| <u>RADEON 8500 Family</u> | 6 | 2059 | NA | NA |
| <u>RADEON 9100 Family</u> | 6 | 2065 | NA | NA |
| <u>RADEON IGP 350M</u> | 6 | 2067 | NA | NA |
| <u>V9560XT V62.11</u> | 6 | 2061 | NA | NA |
| <u>64MB DDR GeForce3 Ti 200</u> | 5 | 2074 | NA | NA |
| <u>ALL-IN-WONDER RADEON 8500DV</u> | 5 | 2079 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>GeForce 256</u> | 5 | 2089 | 0.12 | \$42.04* |
| <u>GeForce4 420 Go 32M</u> | 5 | 2084 | NA | NA |
| <u>GeForce4 440 Go 64M</u> | 5 | 2068 | NA | NA |
| <u>GeForce4 448 Go</u> | 5 | 2081 | NA | NA |
| <u>GeForce4 Ti 4200</u> | 5 | 2080 | NA | NA |
| <u>GeForce4 Ti 4600</u> | 5 | 2082 | 0.10 | \$53.99* |
| <u>GeForce4 Ti 4800</u> | 5 | 2071 | NA | NA |
| <u>Intel 82915G Express</u> | 5 | 2075 | NA | NA |
| <u>Intel Q33 Express</u> | 5 | 2070 | NA | NA |
| <u>Matrox M9120 Plus LP PCIe x16</u> | 5 | 2076 | NA | NA |
| <u>Matrox Millennium P650 PCIe 128</u> | 5 | 2085 | NA | NA |
| <u>Matrox Parhelia APVe</u> | 5 | 2078 | NA | NA |
| <u>Mobile Intel 945GM Express</u> | 5 | 2072 | NA | NA |
| <u>Mobile Intel 945GM/GU Express</u> | 5 | 2086 | NA | NA |
| <u>MOBILITY RADEON 9000/9100 IGP</u> | 5 | 2077 | NA | NA |
| <u>Quadro 280 NVS PCIe</u> | 5 | 2073 | NA | NA |
| <u>Quadro4 980 XGL</u> | 5 | 2090 | 0.01 | \$341.43* |
| <u>RADEON 9100 IGP</u> | 5 | 2083 | NA | NA |
| <u>SAPPHIRE RADEON 9000 ATLANTIS PRO</u> | 5 | 2087 | NA | NA |
| <u>VIA/S3G UniChromell</u> | 5 | 2069 | NA | NA |
| <u>Xabre</u> | 5 | 2088 | NA | NA |
| <u>ALL-IN-WONDER 9000</u> | 4 | 2093 | NA | NA |
| <u>ASUS ACP-V3800PRO v31 40H</u> | 4 | 2112 | NA | NA |

| <u>GeForce2</u> Name | Passmark G3D Mark 4 (higher is better) | Rank (lower is better) | Videocard Value NA (higher is better) | Price NA (USD) |
|--|--|------------------------|---------------------------------------|----------------|
| <u>GeForce2 Integrated GPU</u> | 4 | 2113 | NA | NA |
| <u>GeForce2 MX with DVI-D and TV-out</u> | 4 | 2097 | NA | NA |
| <u>GeForce2 Ti</u> | 4 | 2105 | NA | NA |
| <u>GeForce3</u> | 4 | 2094 | NA | NA |

| <u>GeForce3 Ti 200</u> | 4 | 2120 | NA | NA |
|--|--------------------------------------|------------------------|------------------------------------|--------------------------|
| <u>GeForce4 440</u> | 4 | 2091 | NA | NA |
| <u>GeForce4 MX 4000</u> | 4 | 2111 | NA | NA |
| <u>GeForce4 MX 420</u> | 4 | 2098 | NA | NA |
| <u>GeForce4 MX 440</u> | 4 | 2108 | NA | NA |
| <u>GeForce4 MX 440 with AGP8X</u> | 4 | 2095 | NA | NA |
| <u>GeForce4 MX 440SE</u> | 4 | 2107 | NA | NA |
| <u>GeForce4 MX 460</u> | 4 | 2117 | NA | NA |
| <u>Intel 82865G Controller</u> | 4 | 2102 | NA | NA |
| <u>Intel 915G,910G Express</u> | 4 | 2122 | NA | NA |
| <u>Intel 915G/915GV/910GL Embedded Controller Function 0</u> | 4 | 2103 | NA | NA |
| <u>Intel 945G Embedded Chipset Function 0</u> | 4 | 2110 | NA | NA |
| <u>Intel 946GZ Express</u> | 4 | 2123 | NA | NA |
| <u>MOBILITY FIREGL 7800</u> | 4 | 2099 | NA | NA |
| <u>MOBILITY/RADEON 9000</u> | 4 | 2119 | NA | NA |
| <u>Quadro2 MXR/EX</u> | 4 | 2109 | NA | NA |
| <u>Quadro4 900 XGL</u> | 4 | 2092 | NA | NA |
| <u>RADEON 7500 Family</u> | 4 | 2100 | NA | NA |
| <u>RADEON 9000</u> | 4 | 2104 | NA | NA |
| <u>VIA Chrome9 HC IGP</u> | 4 | 2115 | NA | NA |
| Videocard Name | Passmark G3D Mark (higher is better) | Rank (lower is better) | Videocard Value (higher is better) | Price (USD) |
| <u>VIA/S3G KM400/KN400</u> | 4 | 2121 | NA | NA |
| <u>VIA/S3G UniChrome IGP</u> | 4 | 2116 | NA | NA |
| <u>VIA/S3G UniChrome Pro IGP</u> | 4 | 2101 | NA | NA |
| <u>WinFast A250 LE</u> | 4 | 2096 | NA | NA |
| <u>XGI Volari Family v1.13.23.D_V</u> | 4 | 2106 | NA | NA |
| <u>ABIT Siluro T400</u> | 3 | 2127 | NA | NA |
| <u>AMIGAMERLIN 3.1-R1 For Voodoo 4 4500 PCI</u> | 3 | 2151 | NA | NA |
| <u>GeForce 6200A</u> | 3 | 2135 | 0.07 | \$54.99* |
| <u>GeForce2 GTS/GeForce2 Pro</u> | 3 | 2124 | NA | NA |
| <u>GeForce2 MX 100/200</u> | 3 | 2147 | NA | NA |

| <u>GeForce2 MX/MX 400</u> | Passmark G3D | Price | Videocard | NA |
|--------------------------------------|--------------|-----------|------------|-----------|
| Videocard Name | Mark | Rank | Value | Price |
| | (higher is | (lower is | (higher is | (lower is |
| <u>GeForce4 4200 GV</u> | 3 | 2120 | NA | NA |
| <u>GeForce4 440 Go</u> | 3 | 2132 | NA | NA |
| <u>Intel 82915G/915GV/910GL</u> | 3 | 2133 | NA | NA |
| <u>Intel 82915G/GV/910GL Express</u> | 3 | 2153 | NA | NA |

| | | | | |
|--|---|------|----------------------|---------------------------|
| <u>Intel 865 Embedded Controller</u> | 3 | 2134 | NA | NA |
| <u>Intel 946GZ Embedded Chipset Function 0</u> | 3 | 2148 | NA | NA |
| <u>Intel Media Accelerator 500</u> | 3 | 2141 | NA | NA |
| <u>Matrox Parhelia 128MB</u> | 3 | 2143 | 0.01 | \$350.00 |
| <u>MOBILITY RADEON 7500</u> | 3 | 2137 | NA | NA |
| <u>MOBILITY RADEON 9000</u> | 3 | 2146 | NA | NA |
| <u>MOBILITY RADEON 9200</u> | 3 | 2155 | NA | NA |
| <u>RADEON 7000 / RADEON VE Family</u> | 3 | 2129 | NA | NA |
| <u>RADEON 7500</u> | 3 | 2149 | 0.02 | \$177.25* |
| <u>RADEON 9000 Family</u> | 3 | 2139 | NA | NA |
| <u>RADEON 9200</u> | 3 | 2136 | 0.02 | \$153.63* |
| <u>RADEON IGP 320</u> | 3 | 2131 | NA | NA |
| <u>Radeon IGP 320M</u> | 3 | 2138 | NA | NA |
| <u>Rage Fury Pro/Xpert 2000 Pro</u> | 3 | 2152 | NA | NA |
| <u>RIVA TNT2 Model 64/Model 64 Pro</u> | 3 | 2130 | NA | NA |
| <u>RIVA TNT2/TNT2 Pro</u> | 3 | 2142 | NA | NA |
| <u>S3 Inc. Savage4</u> | 3 | 2150 | NA | NA |
| <u>Vanta/Vanta LT</u> | 3 | 2154 | NA | NA |
| <u>VIA Chrome9 HC IGP Family</u> | 3 | 2128 | NA | NA |
| <u>VIA Chrome9 HC IGP Family WDDM</u> | 3 | 2140 | NA | NA |
| <u>VIA/S3G DeltaChrome IGP</u> | 3 | 2145 | NA | NA |
| <u>64MB GeForce2 MX with TV Out</u> | 2 | 2171 | NA | NA |
| <u>Dell 8100</u> | 2 | 2177 | 0.00 | \$999.11* |
| <u>GeForce2 MX</u> | 2 | 2163 | NA | NA |
| <u>GeForce3 Ti 500</u> | 2 | 2173 | NA | NA |
| <u>Intel 82845G Controller</u> | 2 | 2180 | NA | NA |
| <u>Intel 82845G/GL Controller</u> | 2 | 2168 | NA | NA |
| <u>Intel 82845G/GL/GE/PE/GV Controller</u> | 2 | 2158 | NA | NA |
| <u>Intel 82915G/GV/910GL Advanced v3.5</u> | 2 | 2167 | NA | NA |
| <u>Intel GMA 3150 Express</u> | 2 | 2174 | NA | NA |
| <u>Intel Media Accelerator 3150</u> | 2 | 2157 | NA | NA |
| <u>Mobile Intel 915GM/GMS/910GML Express</u> | 2 | 2178 | NA | NA |

| <u>MOBILITY RADEON 9100 IGP</u> Videocard Name | Passmark G3D Mark <i>(higher is</i> | Best Rank <i>(lower is</i> | Videocard Value <i>(higher is</i> | NA Price <i>(lower</i> |
|---|---|--|---|------------------------------|
| <u>Quadro NVS 280 SD</u> | 2 | 2176 | NA | NA |
| <u>Radeon 7000 / Radeon VE</u> | 2 | 2165 | NA | NA |
| <u>RADEON 7200</u> | 2 | 2159 | 0.00 | \$599.99* |
| <u>RADEON 9200 LE Family</u> | 2 | 2169 | NA | NA |

| | | | | |
|---|---|------|----------------------|--------------------------|
| <u>RADEON 9200 PRO Family</u> | 2 | 2160 | NA | NA |
| <u>RADEON 9200 SE</u> | 2 | 2172 | NA | NA |
| <u>RADEON 9250</u> | 2 | 2170 | 0.01 | \$189.00 |
| <u>Radeon IGP 340M</u> | 2 | 2175 | NA | NA |
| <u>RADEON IGP 345M</u> | 2 | 2164 | NA | NA |
| <u>Radeon VE</u> | 2 | 2181 | NA | NA |
| <u>VIA Chrome9 HC IGP Prerelease WDDM 1.1</u> | 2 | 2179 | NA | NA |
| <u>VIA Chrome9 HC IGP WDDM</u> | 2 | 2161 | NA | NA |
| <u>VIA Chrome9 HC IGP WDDM 1.1</u> | 2 | 2162 | NA | NA |
| <u>VIA Chrome9 HC3 IGP</u> | 2 | 2166 | NA | NA |
| <u>FireMV 2200 PCI</u> | 1 | 2194 | NA | NA |
| <u>IGP 340M</u> | 1 | 2188 | NA | NA |
| <u>Intel 82852/82855 GM/GME Controller</u> | 1 | 2191 | NA | NA |
| <u>Intel Extreme Controller</u> | 1 | 2182 | NA | NA |
| <u>Mobile Intel 945 Express</u> | 1 | 2185 | NA | NA |
| <u>Quadro2 Pro</u> | 1 | 2193 | NA | NA |
| <u>RADEON IGP 34xM</u> | 1 | 2187 | NA | NA |
| <u>Rage 128 Pro</u> | 1 | 2190 | NA | NA |
| <u>RAGE 128 PRO AGP 4X TMDS</u> | 1 | 2192 | NA | NA |
| <u>S3 ProSavageDDR</u> | 1 | 2189 | NA | NA |
| <u>S3 SuperSavage/IXC 1014</u> | 1 | 2183 | NA | NA |
| <u>VIA Chrome9 HCM IGP</u> | 1 | 2186 | NA | NA |
| <u>VisionTek Radeon 7000</u> | 1 | 2184 | NA | NA |

* - Last price seen from our affiliates.

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