



# Videocard Benchmarks

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### High End Video Card Chart

This chart made up of thousands of **PerformanceTest** benchmark results and is updated daily with new graphics card benchmarks. This high end chart contains high performance video cards typically found in premium gaming PCs. Recently introduced ATI video cards (such as the ATI Radeon HD) and nVidia graphics cards (such as the nVidia GTX and nVidia Quadro FX) using the PCI-Express (or PCI-E) standard are common in our high end video card charts.

### G3D Mark | Price Performance

(Click to select desired chart)

## PassMark - G3D Mark

### High End Videocards - Updated 26th of September 2013

|                          |       | Price (USD) |
|--------------------------|-------|-------------|
| GeForce GTX Titan        | 8,109 | \$999.99    |
| GeForce GTX 780          | 7,899 | \$649.99    |
| GeForce GTX 770          | 6,255 | \$399.99    |
| GeForce GTX 680          | 5,707 | \$333.07    |
| GeForce GTX 670          | 5,376 | \$267.96    |
| GeForce GTX 690          | 5,126 | \$999.99    |
| Radeon HD 7970           | 5,082 | \$299.99    |
| GeForce GTX 760          | 5,043 | \$242.98    |
| Radeon HD 7990           | 5,041 | \$619.99    |
| GeForce GTX 580          | 4,937 | \$339.99*   |
| GeForce GTX 660 Ti       | 4,693 | \$259.99    |
| Radeon HD 7950           | 4,627 | \$204.99    |
| FirePro W8000            | 4,533 | \$1,429.99  |
| GeForce GTX 570          | 4,391 | \$385.00*   |
| GeForce GTX 680MX        | 4,373 | NA          |
| GeForce GTX 480          | 4,360 | \$199.99*   |
| Radeon HD 7870           | 4,245 | \$179.99    |
| GeForce GTX 780M         | 4,231 | NA          |
| GeForce GTX 660          | 4,115 | \$194.98    |
| GeForce GTX 590          | 4,068 | \$749.99*   |
| Quadro K5000             | 3,949 | \$1,699.99  |
| FirePro W7000            | 3,941 | \$694.99    |
| FirePro W7000 Adapter    | 3,935 | NA          |
| Radeon HD 7970M          | 3,811 | NA          |
| Radeon HD 7850           | 3,709 | \$129.99    |
| GeForce GTX 650 Ti BOOST | 3,589 | NA          |
| Quadro 6000              | 3,579 | NA          |
| GeForce GTX 680M         | 3,577 | NA          |
| GRID K2                  | 3,577 | NA          |
| GeForce GTX 470          | 3,540 | NA          |



|                             |       |             |
|-----------------------------|-------|-------------|
| GeForce GTX 560 TI          | 3,531 | \$129.99    |
| Radeon HD 6970              | 3,508 | \$169.99*   |
| Tesla C2050                 | 3,478 | NA          |
| Radeon HD 6990              | 3,371 | \$729.99*   |
| Tesla C2075                 | 3,227 | \$2,269.99* |
| Radeon HD 6950              | 3,176 | \$469.99    |
| GeForce GTX 560             | 3,084 | \$154.99    |
| Radeon HD 7790              | 3,048 | \$109.99    |
| FirePro W5000               | 2,981 | \$419.99    |
| GeForce GTX 465             | 2,892 | \$263.28*   |
| Quadro K5000M               | 2,858 | NA          |
| GeForce GTX 770M            | 2,854 | NA          |
| FirePro M6100 FireGL V      | 2,843 | NA          |
| Quadro K4000                | 2,797 | \$759.99    |
| GeForce GTX 650 TI          | 2,693 | \$129.99    |
| GeForce GTX 460             | 2,675 | \$143.03*   |
| FirePro V7900               | 2,658 | \$629.99    |
| Quadro 5000                 | 2,646 | \$1,679.99  |
| Radeon HD 5970              | 2,643 | \$329.99*   |
| Radeon HD 5870              | 2,602 | \$199.99*   |
| GeForce GTX 460 v2          | 2,575 | \$199.99*   |
| Radeon HD 6870              | 2,570 | \$251.67    |
| GeForce GTX 675MX           | 2,562 | NA          |
| GeForce GT 645              | 2,555 | NA          |
| GeForce GTX 580M            | 2,525 | NA          |
| FirePro V8800               | 2,327 | \$499.99    |
| GeForce GTX 560 SE          | 2,313 | \$89.99*    |
| GeForce GTX 675M            | 2,286 | NA          |
| Radeon HD 5850              | 2,281 | \$123.53*   |
| GeForce GTX 460 SE          | 2,244 | \$159.99*   |
| Radeon HD 6850              | 2,232 | \$134.99    |
| Quadro K4000M               | 2,228 | NA          |
| GeForce GTX 485M            | 2,189 | NA          |
| Radeon HD 7770              | 2,156 | \$89.99     |
| GeForce GTX 555             | 2,148 | NA          |
| GeForce GTX 670MX           | 2,093 | NA          |
| GeForce GTX 480M            | 2,078 | NA          |
| GeForce GTX 765M            | 2,046 | NA          |
| Radeon HD 6700              | 2,036 | NA          |
| Radeon HD 5830              | 2,017 | \$159.99*   |
| GeForce GTX 570M            | 1,956 | NA          |
| GeForce GTX 470M            | 1,938 | NA          |
| GeForce GTX 550 TI          | 1,923 | \$118.99    |
| Quadro 4000                 | 1,920 | \$709.99    |
| Radeon HD 8670D + 7700 Dual | 1,918 | NA          |
| GeForce GTX 670M            | 1,901 | NA          |
| Radeon HD 6900M             | 1,890 | NA          |
| GeForce GTX 645             | 1,870 | NA          |
| GeForce GTX 760M            | 1,845 | NA          |
| GeForce GTX 650             | 1,828 | \$104.99    |
| FirePro W600                | 1,811 |             |
| FirePro M6000 Mobility Pro  | 1,716 |             |
| Radeon HD 6770              | 1,681 |             |
| Radeon HD 5770              | 1,678 |             |



|                              |       |           |
|------------------------------|-------|-----------|
| Quadro K2000                 | 1,654 | \$421.38  |
| Quadro 4000M                 | 1,641 | NA        |
| Radeon HD 7750               | 1,626 | \$79.99   |
| FirePro V7800                | 1,623 | \$619.99* |
| GeForce GT 750M              | 1,615 | NA        |
| GeForce GT 755M              | 1,592 | NA        |
| Quadro K2000D                | 1,577 | \$406.99  |
| GeForce GTX 560M             | 1,547 | NA        |
| Quadro K3000M                | 1,544 | NA        |
| GeForce GTS 450              | 1,538 | \$89.99   |
| FirePro V5900                | 1,504 | \$412.99  |
| Radeon HD 4890               | 1,502 | \$109.99* |
| GeForce GTX 660M             | 1,484 | NA        |
| Radeon HD 7850M              | 1,483 | NA        |
| Radeon HD 8670D + 6670 Dual  | 1,459 | NA        |
| Radeon HD 7560D + 7670 Dual  | 1,434 | NA        |
| FirePro M4000                | 1,402 | NA        |
| Radeon HD 5750               | 1,398 | \$69.41*  |
| FirePro M40003               | 1,394 | NA        |
| GeForcs GTX 560M             | 1,379 | NA        |
| Radeon HD 4870               | 1,363 | \$59.99*  |
| GeForce GTX 460M             | 1,351 | NA        |
| Radeon HD 7870M              | 1,341 | NA        |
| FirePro V5800                | 1,329 | \$359.99  |
| Radeon HD 6750               | 1,316 | \$99.99*  |
| GeForce GT 650M              | 1,297 | NA        |
| GeForce GT 640               | 1,292 | \$79.24   |
| GeForce GT 545               | 1,291 | \$55.59*  |
| Quadro 2000                  | 1,288 | \$382.49  |
| Quadro 3000M                 | 1,285 | NA        |
| FirePro V4900                | 1,276 | \$149.99  |
| GeForce GTX 285              | 1,263 | \$179.99* |
| Quadro 2000D                 | 1,259 | \$399.00  |
| Radeon HD 4870 X2            | 1,229 | NA        |
| Mobility Radeon HD 5870      | 1,221 | NA        |
| Radeon HD 7660D + 6670 Dual  | 1,215 | NA        |
| GeForce GTX 275              | 1,207 | NA        |
| Quadro 5010M                 | 1,207 | NA        |
| GeForce GTX 280              | 1,204 | \$119.99* |
| Radeon HD 7670               | 1,191 | NA        |
| Radeon HD 4850 X2            | 1,184 | NA        |
| Radeon HD 7560D + 6670 Dual  | 1,154 | NA        |
| GeForce GTX 260              | 1,118 | \$210.00* |
| FirePro V4800                | 1,117 | \$159.99* |
| Radeon HD 7660D + 6570 Dual  | 1,100 | NA        |
| Quadro K2000M                | 1,095 | NA        |
| Quadro 2000 D                | 1,073 | NA        |
| Radeon HD 5670               | 1,072 | \$69.99*  |
| Quadro 2000M                 | 1,070 | NA        |
| Radeon HD 4770               | 1,069 | NA        |
| GeForce GT 730M              | 1,063 | NA        |
| GeForce GT 745M              | 1,062 | NA        |
| Radeon HD 7520G + 7700M Dual | 1,060 | NA        |
| Quadro FX 5800               | 1,056 | NA        |

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|-----------------------------------|-------|-----------|
| GeForce GT 445M                   | 1,052 | NA        |
| GeForce GT 645M                   | 1,049 | NA        |
| Radeon HD 7670A                   | 1,049 | NA        |
| GeForce GTX 295                   | 1,048 | \$289.99* |
| Radeon HD 4850                    | 1,045 | \$89.99*  |
| Radeon HD 6670                    | 1,044 | \$59.99   |
| GeForce GT 640M                   | 1,041 | NA        |
| Radeon HD8570                     | 1,029 | NA        |
| Radeon HD 7660D + 7670 Dual       | 1,024 | NA        |
| Radeon HD 7690M                   | 1,015 | NA        |
| Radeon HD 8570                    | 1,009 | NA        |
| Radeon HD 5600/5700               | 999   | NA        |
| Radeon HD 6800M                   | 997   | NA        |
| Radeon HD 8650G + 8600/8700M Dual | 995   | NA        |
| Quadro FX 4800                    | 994   | \$550.00* |
| Radeon HD 4830                    | 984   | \$59.99*  |
| Radeon HD 7570                    | 983   | NA        |
| Radeon HD 8650G                   | 979   | NA        |
| GeForce GT 740M                   | 951   | NA        |
| GeForce GT 555M                   | 945   | NA        |
| Radeon HD 6700M                   | 940   | NA        |
| FirePro V8700                     | 930   | \$879.99* |
| GeForce 9800 GTX+                 | 928   | NA        |
| GeForce GTS 250                   | 907   | \$114.99* |
| GeForce 9800 GTX/9800 GTX+        | 906   | \$89.99*  |
| FirePro V3900                     | 889   | \$109.99  |
| Radeon HD 3870 X2                 | 885   | NA        |
| Radeon HD 8670D                   | 877   | NA        |
| GeForce GTS 240                   | 869   | \$64.99*  |
| GeForce GT 640M LE                | 863   | \$849.99* |
| Radeon HD 7660G + 7600M Dual      | 856   | NA        |
| GeForce 8800 GTS 512              | 849   | NA        |
| Quadro FX 3800                    | 844   | \$275.00* |
| Radeon HD 7670M                   | 837   | \$629.99* |
| Radeon HD 8650G + 7670M Dual      | 834   | NA        |
| GeForce 8800 Ultra                | 831   | NA        |
| GeForce GT 340                    | 831   | \$52.99*  |
| GeForce 9800 GX2                  | 826   | NA        |
| NVS 5400M                         | 824   | NA        |
| Radeon HD 7600M + 7600M Dual      | 823   | NA        |
| Quadro FX 3800M                   | 822   | NA        |
| Quadro K600                       | 820   | \$166.30  |
| Radeon HD 8650G + 8750M Dual      | 819   | NA        |
| Radeon HD 7660G                   | 816   | NA        |
| Radeon HD 7660D                   | 815   | NA        |
| GeForce GT 440                    | 809   | \$59.95   |
| GRID K1                           | 804   | NA        |
| GeForce GT 550M                   | 804   | NA        |
| Mobility Radeon HD 5000           | 798   | NA        |
| Radeon HD 8550G + 8600/8700M Dual | 798   | NA        |
| Quadro K1000M                     | 792   | NA        |
| GeForce GT 140                    | 788   | NA        |
| Radeon HD 7650A                   | 781   | NA        |
| GeForce 8800 GTX                  | 769   | NA        |

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|-------------------------------|-----|----------|
| Radeon HD 8550G + 8600M Dual  | 766 | NA       |
| GeForce GT 635M               | 765 | NA       |
| GeForce GTS 360M              | 764 | NA       |
| Radeon HD 7560D + 6570 Dual   | 764 | NA       |
| NVS 510                       | 758 | \$339.99 |
| GeForce 8800 GT               | 755 | NA       |
| Radeon HD 3850 X2             | 754 | NA       |
| GeForce GT 630M               | 754 | NA       |
| Radeon HD 6570                | 754 | \$49.99  |
| GeForce 9600 GT               | 753 | \$39.99* |
| Radeon HD 3870                | 745 | NA       |
| Radeon HD 7660G + 7670M Dual  | 744 | NA       |
| Radeon HD 7640G + 7600M Dual  | 741 | NA       |
| GeForce GTX 285M              | 739 | NA       |
| Quadro 1000M                  | 739 | NA       |
| Radeon HD 7670M + 7670M Dual  | 738 | NA       |
| GeForce GT 530                | 733 | \$56.69* |
| Mobility Radeon HD 4870       | 729 | NA       |
| Radeon HD 7650M               | 726 | NA       |
| GeForce GT 630                | 723 | \$59.11  |
| Mobility Radeon HD 5850       | 719 | NA       |
| Radeon HD 7540D + 6570 Dual   | 719 | NA       |
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\* - Last price seen from our affiliates.

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