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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 23rd of May 2017

		Price (USD)
NVIDIA TIT AN Xp	14,894	\$1,200.00*
Quadro P6000	13,473	\$4,969.95*
GeForce GTX 1080 T i	13,215	\$699.99
NVIDIA TITAN X	13,044	\$1,200.00*
GeForce GTX 1080	11,982	\$489.99
GeForce GTX 980 T i	11,342	\$599.99
	10,992	

GeForce GTX 1070		\$349.99
GeForce GTX TIT AN X	10,665	\$1,799.99
Quadro P4000	10,630	\$821.00
Quadro GP100	10,450	NA
Quadro P5000	10,304	\$1,898.00
Quadro M6000 24GB	10,259	NA
GeForce GTX 980	9,587	\$459.99
Radeon Pro Duo	9,433	\$749.99
Quadro M6000	9,421	\$4,199.99
Quadro M5500	9,323	NA
GeForce GTX 780 T i	8,902	\$230.96
Quadro P2000	8,806	\$585.00
GeForce GTX 1060	8,725	\$229.99
GeForce GTX TIT AN Black	8,575	\$1,009.99*
GeForce GTX 970	8,572	\$329.99
GeForce GTX 1060 3GB	8,559	\$179.99
Quadro M5000	8,511	\$1,759.99
Radeon R9 390X	8,443	NA
Radeon R9 Fury + Fury X	8,345	\$495.00
FirePro W8100 Graphic Adapter	8,219	NA
Radeon RX 480	8,051	\$199.99
GeForce GTX 780	7,987	\$219.99
Radeon R9 390	7,898	NA
GeForce GTX T itan	7,870	\$1,219.99
Radeon Pro WX 7100	7,850	\$628.99
GeForce GTX TIT AN Z	7,778	\$2,899.99
Quadro K6000	7,756	\$2,750.00*
Radeon RX 580	7,755	\$234.99
GRID M60-2Q	7,621	NA
Radeon R9 295X2	7,425	\$1,999.99
Radeon RX 470	7,348	\$189.99
Radeon R9 290X / 390X	7,313	\$368.00

Radeon RX 570	7,290	\$199.99
Radeon R9 290 / 390	7,033	\$389.99
FirePro W9100	6,834	\$2,559.99
Quadro M4000	6,697	\$699.00
FirePro S7150	6,276	\$2,899.99
Quadro K5200	6,133	\$1,759.94
GeForce GTX 770	6,107	\$276.98
Radeon Pro WX 5100	6,040	\$399.00
Radeon R9 380X	6,031	\$499.86
Radeon R9 380	5,997	\$264.99*
FirePro W7100 Adapter	5,967	NA
FirePro W8100	5,872	\$919.99
GeForce GTX 960	5,823	\$150.02
Radeon R9 280X	5,811	NA
GeForce GTX 1050 T i	5,783	\$129.99
Radeon R9 M395X	5,774	NA
GeForce GTX 680	5,694	\$474.99
GeForce GTX 980M	5,689	NA
Radeon R9 285 / 380	5,547	\$182.28
Radeon HD 7990	5,469	\$1,126.99*
FirePro W7100	5,387	\$567.99
Quadro P3000	5,386	NA
GeForce GTX 670	5,375	\$388.16
Quadro M5000M	5,337	NA
GeForce GTX 690	5,317	\$999.00*
Radeon R9 280	5,294	NA
Radeon HD 7970 / R9 280X	5,248	\$209.99
GeForce GTX 950	5,211	\$124.99
FirePro W9000	5,178	\$3,443.99*
Radeon R9 M395	5,155	NA
Radeon R9 M295X	5,102	NA
GeForce GTX 760 T i	5,059	\$297.50*

GeForce GTX 580	5,014	\$289.88*
GeForce GTX 760	4,953	\$399.99
Quadro P1000	4,928	\$330.00
Radeon HD 7950 / R9 280	4,764	\$199.99
Radeon HD 8990	4,750	NA
Radeon R9 370	4,722	NA
GeForce GTX 660 T i	4,690	\$329.99*
Radeon R9 270X	4,650	\$209.99
FirePro W8000 Adapter	4,646	NA
Radeon R7 370	4,634	NA
FirePro W7170M	4,619	NA
Radeon RX 560	4,600	\$99.99
GeForce GTX 1050	4,540	\$99.99
Quadro K4200	4,460	\$1,045.75*
Radeon HD 7870 XT	4,419	NA
GeForce GTX 570	4,411	\$99.99*
GeForce GTX 680MX	4,372	NA
GRID K520	4,370	NA
GeForce GTX 480	4,355	\$71.99*
Quadro M2000	4,351	\$410.75
Radeon HD 7870	4,334	\$279.99
Radeon RX 460	4,323	\$79.99
FirePro W8000	4,264	\$1,048.99*
Radeon R9 270 / R7 370	4,259	\$150.25
FirePro W7000 Adapter	4,243	NA
GRID M60-1Q	4,221	NA
GeForce GTX 775M	4,203	NA
Quadro M3000M	4,185	NA
GeForce GTX 590	4,168	\$184.00*
FirePro S7000	4,166	NA
FirePro W7000	4,146	\$569.99*
GeForce GTX 660	4,121	\$149.00

Radeon R9 M390X	4,118	NA
Radeon R9 M290X	4,086	NA
GeForce GTX 780M	4,062	NA
GeForce GTX 970M	4,027	\$2,564.49
Quadro K5000	3,992	\$575.00
Radeon Pro WX4100	3,949	NA
Radeon HD 8970M	3,889	NA
Radeon HD 7850	3,808	\$209.99
GRID K2	3,773	\$2,799.00
Radeon HD 7970M	3,766	NA
Tesla C2050 / C2070	3,756	NA
Radeon Pro WX 4100	3,750	\$284.00
Quadro M4000M	3,736	NA
GeForce GTX 750 T i	3,696	\$124.99
GeForce GTX 470	3,605	\$522.01*
GeForce GTX 880M	3,595	NA
GeForce GTX 560 T i	3,538	\$138.00*
GeForce GTX 650 T i BOOST	3,532	NA
Quadro K2200	3,513	\$395.75
Radeon R9 M470X	3,508	NA
Radeon Pro 460	3,492	NA
Radeon HD 6970	3,492	\$94.99*
Quadro 6000	3,486	\$450.00
Tesla C2050	3,472	NA
GRID M60-8Q	3,384	NA
GeForce GTX 680M	3,377	\$315.00
GeForce GTX 750	3,275	\$99.99
Radeon R7 360	3,249	\$93.99
Radeon HD8970M	3,194	NA
Quadro P600	3,194	\$178.00
Tesla C2075	3,191	\$2,269.99*
Radeon HD 6950	3,190	\$89.99*

FirePro V7000 Adapter	3,162	NA
GeForce GTX 560	3,129	\$353.59*
Radeon R7 260X	3,117	\$134.99
Radeon HD 8950	3,104	NA
MxGPU	3,091	NA
Quadro K1200	3,056	\$303.48
Radeon R9 M380	3,048	NA
Radeon R9 360	3,046	\$519.00*
Tesla C2070	3,040	NA
FirePro W5000	3,036	\$434.00*
Radeon HD 7790	3,033	\$169.99
FirePro W4300	3,021	\$239.99
Radeon R9 260	3,018	NA
Quadro K5100M	3,012	NA
GeForce GTX 965M	3,000	NA
GeForce GTX 465	2,950	\$263.28*
FirePro W5100	2,945	\$307.99
GRID K260Q	2,941	NA
Quadro M620	2,896	NA
FirePro M6100	2,895	NA
Radeon R7 260	2,881	\$89.99*
Quadro M2200	2,852	NA
Quadro K4000	2,847	\$384.99
FirePro 3D V9800	2,812	\$2,499.00*
Quadro 5000	2,775	\$325.95
FirePro V9800 Adapter	2,716	NA
FirePro V7900	2,702	\$129.99
GeForce GTX 650 T i	2,660	\$129.99
Quadro M2000M	2,650	NA
GeForce GTX 460	2,649	\$89.99*
GeForce GTX 770M	2,647	NA
Radeon HD 6990	2,625	\$159.99*

Radeon HD 5870	2,607	\$99.99*
Quadro K5000M	2,600	\$329.99*
Radeon HD 5970	2,592	\$329.99*
Radeon HD 6870	2,592	\$89.99*
GeForce GTX 460 v2	2,528	\$199.99*
Quadro M1200	2,519	NA
Device	2,502	NA
Quadro K4100M	2,430	NA
FirePro 3D V8800	2,407	\$424.99*
GeForce GTX 675MX	2,365	NA
GeForce GTX 485M	2,342	NA
Quadro K4000M	2,312	NA
Quadro K620	2,309	\$162.50
GeForce GTX 580M	2,287	NA
Intel Iris Pro P580	2,273	NA
GeForce GTX 870M	2,262	NA
Radeon HD 5850	2,260	\$79.99*
Radeon HD 6850	2,260	\$99.99*
GeForce GTX 460 SE	2,246	\$159.99*
GRID K280Q	2,243	NA
GeForce GTX 560 SE	2,233	\$89.99*
Quadro K2200M	2,223	NA
GeForce GT 645	2,215	NA
Radeon R9 350	2,214	\$137.55
Radeon HD 7770	2,190	\$129.99
Radeon R9 M375X	2,189	NA
GeForce GTX 555	2,179	NA
GeForce GTX 745	2,170	NA
Radeon R7 450	2,152	NA
GeForce GTX 960A	2,152	NA
Radeon TM R9 A360	2,148	NA
GRID K240Q	2,144	NA

GeForce GTX 675M	2,128	NA
RadeonT R7 450	2,115	NA
Firepro W5170M	2,100	NA
Quadro M1000M	2,067	\$200.89*
GeForce GTX 670MX	2,053	NA
GeForce GTX 960M	2,040	NA
Quadro 5000M	2,039	NA
Radeon HD 5830	2,038	\$159.99*
Radeon HD 6790	2,037	\$64.99*
FirePro M5100	2,035	NA
GeForce GTX 570M	2,026	NA
GeForce GTX 480M	2,022	NA
Quadro 4000	1,986	\$189.00
Radeon R7 + R7 350 Dual	1,982	NA
Radeon R7 + HD 7700 Dual	1,962	NA
Radeon HD 7660D + HD 7700 Dual	1,958	NA
Matrox C680 PCIe x16	1,952	NA
GeForce GTX 470M	1,950	NA
Radeon R9 M370X	1,936	NA
GeForce GTX 550 T i	1,926	\$287.59*
Radeon HD 6900M	1,926	NA
GeForce GTX 645	1,918	NA
Intel Iris Pro 580	1,916	NA
Radeon R9 M360	1,908	NA
GeForce GTX 670M	1,900	NA
Radeon HD 8670D + HD 7700 Dual	1,892	NA
Intel Iris Plus 650	1,890	NA
Quadro K3100M	1,882	\$1,999.00*
GeForce GTX 765M	1,877	NA
Radeon HD 8570D + HD 7700 Dual	1,835	NA
GeForce GTX 650	1,832	\$146.19
Matrox C900 PCIe x16	1,812	NA

FirePro 3D V7800	1,810	\$599.99*
FirePro W5130M	1,807	NA
Radeon HD 8870M / R9 M270X / M370X	1,800	NA
FirePro W4100 Adapter	1,799	NA
GeForce GTX 950M	1,797	NA
Quadro 4000M	1,796	\$449.00
Radeon HD 8670D + 7700 Dual	1,789	NA
Quadro M600M	1,778	NA
FirePro W600	1,761	\$449.99
Radeon R9 255	1,757	NA
Quadro 5010M	1,748	NA
GeForce GTX 860M	1,710	NA
Quadro K3000M	1,710	\$155.00*
Intel Iris 550	1,701	NA
Radeon HD 5770	1,695	\$115.99*
FirePro M6000 Mobility Pro	1,692	NA
Quadro K2000	1,688	\$190.74
FirePro M4000 Mobility Pro	1,681	NA
Radeon HD 7750	1,679	\$119.99
Radeon HD 8870M	1,672	NA
Radeon HD 6770	1,670	\$76.99*
Radeon E8860	1,658	NA
Quadro K2000D	1,652	\$395.95
FirePro W4100	1,623	\$159.99
Radeon R7 FX-9830P RADEON	1,591	NA
GeForce GT 740	1,581	\$89.99
GeForce GT 755M	1,575	NA
Radeon R7 430	1,569	NA
GeForce GTX 560M	1,558	NA
GeForce GTS 450	1,556	\$64.99*
Radeon HD 4890	1,535	\$109.99*
FirePro M4000	1,525	NA

FirePro V5900	1,517	\$319.99*
Radeon R9 M275X / M375	1,509	NA
GeForce 945M	1,501	NA
GeForce GTX 850M	1,492	NA
Intel Iris Pro 6200	1,488	NA
Radeon R9 M270X	1,487	NA
Radeon HD 7660D + HD 6670 Dual	1,485	NA
Radeon HD 7870M	1,478	NA
Intel Iris Plus 640	1,454	NA
Radeon R7 M380	1,447	NA
Radeon R7 M465	1,443	NA
Radeon R7 PRO A12-8870	1,442	NA
Quadro 3000M	1,431	\$398.96*
Radeon HD 7560D + 7670 Dual	1,426	NA
Radeon HD 5750	1,421	\$69.41*
FirePro M40003	1,411	NA
GeForce GTX 660M	1,409	NA
Radeon R7 M350	1,408	NA
Radeon R7 250	1,408	\$66.73
FirePro 3D V5800	1,402	\$369.99*
Radeon R7 M370	1,395	NA
GeForce GTX 760M	1,391	NA
Radeon HD 7730	1,390	\$49.99*
GeForce GTX 460M	1,387	NA
Intel HD P630	1,386	NA
Radeon HD 4870	1,379	\$59.99*
Radeon HD 7850M	1,373	NA
Radeon R7 PRO A10-9700	1,371	NA
GeForce GTX 950A	1,367	NA
Intel Iris 540	1,362	NA
Radeon HD 8670D + 6670 Dual	1,361	NA
Radeon R7 PRO A12-9800	1,347	NA

Radeon HD 7560D + HD 7700 Dual	1,347	NA
FireStream 9270	1,341	NA
Barco MXRT 5400	1,335	NA
FirePro W4170M	1,327	NA
Radeon R7 PRO A10-8770	1,320	NA
FirePro M5950	1,314	NA
Quadro 2000	1,310	\$65.99*
Radeon R9 M265X	1,301	NA
Radeon HD 6750	1,296	\$49.99*
GeForce GT 750M	1,291	NA
Quadro 2000D	1,290	\$289.75*
FirePro V4900	1,290	\$144.99*
GeForce GT 545	1,284	\$55.59*
GeForce GT 640	1,284	\$59.99*
Radeon R7 PRO A10-9700E	1,284	NA
GeForce GTX 760A	1,281	NA
Radeon R7 A370	1,281	NA
Radeon R7 + R7 200 Dual	1,278	NA
Radeon HD 4870 X2	1,278	NA
Radeon R9 M375	1,274	NA
FirePro 3D V8750	1,272	\$1,230.99*
GeForce GTX 285	1,266	\$179.99*
Quadro K2100M	1,264	\$84.95
Radeon HD 8790M	1,262	NA
Radeon HD 8570D + HD 6670 Dual	1,261	NA
Intel HD 630	1,248	NA
Radeon HD 8570D + 6570 Dual	1,239	NA
Radeon HD 7660D + 6670 Dual	1,238	NA
Radeon HD 8790M / R9 M290X	1,237	NA
GeForce GTX 275	1,235	\$119.99*
GeForce 940MX	1,225	NA
Firepro W4190M	1,222	NA

Radeon HD 8670D + HD 6670 Dual	1,222	NA
Mobility Radeon HD 5870	1,221	NA
Radeon R7 A10-7890K	1,216	NA
Quadro M520	1,214	NA
FirePro 3D V8700	1,208	\$199.99*
GeForce GT 650M	1,205	NA
GeForce GTX 280	1,198	\$119.99*
Radeon R7 PRO A10-8770E	1,192	NA
Radeon HD 7750M	1,191	NA
Intel Iris Pro 5200	1,178	NA
Quadro 2000 D	1,168	NA
FireStream 9250	1,165	NA
NVS 810	1,153	\$629.00
Radeon R7 A10-7870K	1,153	NA
GeForce 930A	1,153	NA
GeForce GT 745A	1,147	NA
Radeon HD 8850M / R9 M265X	1,140	NA
GeForce 930MX	1,135	NA
Radeon HD 7560D + 6670 Dual	1,131	NA
Radeon HD 4850 X2	1,130	NA
GeForce GTX 260	1,128	\$95.38*
GeForce GPU	1,125	NA
FirePro M4170	1,114	NA
Radeon R9 M275	1,112	\$799.99
Radeon R7 M260X	1,105	NA
FirePro M4150	1,103	NA
Radeon HD 7660D + 6570 Dual	1,100	NA
Radeon HD 7670	1,096	NA
Radeon HD 7640G + HD 8750M Dual	1,091	NA
Quadro FX 5800	1,086	\$299.98*
FirePro 3D V4800	1,084	\$159.99*
Quadro K2000M	1,083	\$265.27*

Intel HD P530	1,081	NA
Radeon R7 PRO A12-9800E	1,077	NA
Radeon HD 5670	1,069	\$47.84*
Radeon HD 8850M	1,062	NA
Radeon R7 PRO A8-9600	1,062	NA
Radeon HD 7660D + 7670 Dual	1,062	NA
Radeon HD 7520G + 7700M Dual	1,061	NA
Quadro 2000M	1,059	\$46.56*
Firepro M4100	1,059	NA
GeForce GT 445M	1,058	NA
Radeon R7 PRO A12-9800B	1,053	NA
Radeon HD 6670	1,052	\$102.99*
Radeon HD 7670A	1,051	NA
GeForce GTX 295	1,050	\$159.99*
Radeon HD 4770	1,046	NA
Radeon R7 + R7 240 Dual	1,045	NA
GeForce 845M	1,039	NA
Radeon HD 8750M	1,035	NA

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* - Last price seen from our affiliates.

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