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# Videocard Benchmarks

Over 800,000 Video Cards Benchmarked



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How does your Video Card compare?

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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 30th of March 2017

		Price (USD)
Quadro P6000	13,473	\$6,999.00*
GeForce GTX 1080 Ti	13,100	\$699.99
NVIDIA TITAN X	13,012	\$1,200.00*
GeForce GTX 1080	11,985	\$486.97
Quadro P5000	11,653	\$1,999.99
GeForce GTX 980 Ti	11,367	\$649.99
GeForce GTX 1070	10,907	\$369.98
GeForce GTX TITAN X	10,675	\$1,029.99
Quadro M6000 24GB	10,149	NA
GeForce GTX 980	9,609	\$479.99
Quadro M6000	9,421	\$4,199.99
Quadro M5500	9,323	NA
Radeon Pro Duo	9,254	\$799.99
GeForce GTX 780 Ti	8,909	\$279.99
GeForce GTX 1060	8,762	\$229.99
GeForce GTX TITAN Black	8,651	\$1,009.99*
GeForce GTX 1060 6GB	8,609	NA
GeForce GTX 970	8,577	\$399.99
GeForce GTX 1060 3GB	8,547	\$189.99
Quadro M5000	8,517	\$1,759.99
Radeon R9 390X	8,374	NA
Radeon R9 Fury + Fury X	8,356	\$254.99
Quadro P2000	8,222	NA
FirePro W8100 Graphic Adapter	8,219	NA
	7,990	



















































GeForce GTX 780		\$219.99
Radeon RX 480	7,984	\$179.99
GeForce GTX Titan	7,885	\$1,219.99
Radeon R9 390	7,783	NA
GeForce GTX TITAN Z	7,755	\$3,899.99
Quadro K6000	7,716	\$2,750.00
Radeon Pro WX 7100	7,600	\$628.99
Radeon R9 295X2	7,393	\$2,799.99
Radeon RX 470	7,303	\$149.99
Radeon R9 290X / 390X	7,289	\$359.32
Quadro P3000	7,157	NA
Radeon R9 290 / 390	7,019	\$399.99
FirePro W9100	6,834	\$2,699.99
Quadro M4000	6,670	\$699.00
FirePro S7150	6,276	\$1,549.99
Quadro K5200	6,136	\$1,668.00
GeForce GTX 770	6,109	\$276.98
Radeon Pro WX 5100	6,040	\$399.00
Radeon R9 380X	6,023	\$299.99
FirePro W7100 Adapter	5,967	NA
Radeon R9 380	5,932	\$264.99*
GeForce GTX 1050 Ti	5,836	\$139.99
GeForce GTX 960	5,834	\$119.99
FirePro W8100	5,810	\$819.99
Radeon R9 280X	5,773	NA
Radeon R9 M395X	5,713	NA
GeForce GTX 680	5,698	\$474.99
GeForce GTX 980M	5,665	NA
Radeon R9 285 / 380	5,548	\$195.51
Radeon HD 7990	5,472	\$1,126.99
FirePro W7100	5,387	\$567.99
GeForce GTX 670	5,376	\$199.00
GeForce GTX 690	5,316	\$999.00*
Radeon R9 280	5,271	NA
Quadro M5000M	5,269	NA
Radeon HD 7970 / R9 280X	5,248	\$264.00
GeForce GTX 950	5,214	\$119.99
FirePro W9000	5,178	\$3,443.99*
Radeon R9 M395	5,155	NA
GTX 965M	5,140	NA
Radeon R9 M295X	5,102	NA
GeForce GTX 760 Ti	5,041	\$297.50*
GeForce GTX 580	5,010	\$289.88*
GeForce GTX 760	4,952	\$331.00
Radeon HD 7950 / R9 280	4,764	\$199.99
Radeon HD 8990	4,750	NA
GeForce GTX 1050	4,742	\$99.99
Radeon R9 370	4,722	NA
GeForce GTX 660 Ti	4,691	\$344.99
FirePro W8000 Adapter	4,646	NA
	4,638	

Radeon R9 270X		\$229.99
FirePro W7170M	4,619	NA
Radeon R7 370	4,612	NA
Quadro K4200	4,450	\$1,045.75
Radeon HD 7870 XT	4,414	NA
GeForce GTX 570	4,407	\$99.99*
GeForce GTX 680MX	4,372	NA
GRID K520	4,370	NA
GeForce GTX 480	4,351	\$71.99*
Quadro M2000	4,346	\$426.99
Radeon Pro WX4100	4,338	NA
Radeon HD 7870	4,330	\$279.99
Radeon RX 560	4,287	NA
Radeon RX 460	4,277	\$89.99
FirePro W8000	4,264	\$1,048.99*
Radeon R9 270 / R7 370	4,258	\$158.01
FirePro W7000 Adapter	4,243	NA
Radeon Pro WX 4100	4,221	\$284.00
GeForce GTX 775M	4,213	NA
GeForce GTX 590	4,170	\$184.00*
FirePro S7000	4,166	NA
Quadro M3000M	4,144	NA
FirePro W7000	4,136	\$569.99*
GeForce GTX 660	4,118	\$149.00
GeForce GTX 780M	4,061	NA
Radeon R9 M290X	4,025	NA
GeForce GTX 970M	4,013	\$1,699.97
Quadro K5000	4,005	\$595.00
Radeon R9 M390X	3,929	NA
Radeon HD 8970M	3,889	NA
Radeon HD 7850	3,802	\$209.99
GRID K2	3,773	\$2,875.00
Radeon HD 7970M	3,767	NA
Tesla C2050 / C2070	3,756	NA
GeForce GTX 750 Ti	3,696	\$99.00
GeForce GTX 470	3,599	\$522.01*
Quadro M4000M	3,584	NA
GeForce GTX 880M	3,581	NA
GeForce GTX 560 Ti	3,535	\$138.00*
GeForce GTX 650 Ti BOOST	3,534	NA
Radeon R9 M470X	3,508	NA
Quadro K2200	3,501	\$407.99
Radeon HD 6970	3,487	\$94.99*
FirePro M6100 FireGL V	3,479	NA
Quadro 6000	3,476	\$842.75
Tesla C2050	3,472	NA
GeForce GTX 680M	3,381	\$315.00
Quadro M1200	3,365	NA
GeForce GTX 750	3,265	\$124.99
Radeon R7 360	3,237	\$89.99
	3,194	

Radeon HD8970M		NA
Tesla C2075	3,191	\$2,269.99*
Radeon HD 6950	3,186	\$89.99*
FirePro V7000 Adapter	3,162	NA
GeForce GTX 560	3,128	\$353.59*
Radeon R7 260X	3,113	\$134.99
Radeon HD 8950	3,099	NA
Radeon R9 M380	3,048	NA
Radeon R9 360	3,046	\$519.00*
Quadro K1200	3,039	\$313.02
FirePro W5000	3,038	\$434.00*
Radeon HD 7790	3,030	\$149.99
Radeon R9 260	3,018	NA
FirePro W4300	3,018	\$240.99
Quadro K5100M	3,012	NA
GeForce GTX 965M	3,003	NA
GeForce GTX 465	2,945	\$263.28*
GRID K260Q	2,941	NA
FirePro W5100	2,926	\$307.99
Tesla C2070	2,917	NA
FirePro M6100	2,883	NA
Radeon R7 260	2,878	\$89.99*
Quadro K4000	2,844	\$435.00
FirePro 3D V9800	2,812	\$2,499.00*
Quadro 5000	2,769	\$274.00
Quadro M620	2,732	NA
FirePro V7900	2,702	\$129.99*
FirePro V9800 Adapter	2,671	NA
GeForce GTX 650 Ti	2,660	\$98.99
GeForce GTX 460	2,645	\$89.99*
GeForce GTX 770M	2,643	NA
Radeon HD 6990	2,625	\$159.99*
Quadro M2000M	2,623	NA
Quadro K5000M	2,614	\$329.99*
Radeon HD 5870	2,605	\$99.99*
Radeon HD 5970	2,589	\$329.99*
Radeon HD 6870	2,589	\$89.99*
GeForce GTX 460 v2	2,528	\$199.99*
Device	2,502	NA
Quadro K4100M	2,427	NA
FirePro 3D V8800	2,407	\$424.99*
GeForce GTX 675MX	2,359	NA
GeForce GTX 485M	2,331	NA
Quadro K620	2,305	\$159.99
Intel Iris Pro P580	2,302	NA
GeForce GTX 580M	2,287	NA
Quadro K4000M	2,285	NA
Radeon HD 5850	2,258	\$79.99*
Radeon HD 6850	2,256	\$99.99*
GeForce GTX 870M	2,251	NA
	2,247	

GeForce GTX 460 SE		\$159.99*
RadeonT R7 450	2,244	NA
GRID M60-8Q	2,244	NA
GeForce GTX 560 SE	2,237	\$89.99*
Radeon R9 350	2,224	\$139.91
GeForce GT 645	2,215	NA
GRID K280Q	2,194	NA
Radeon R9 M375X	2,189	NA
Radeon HD 7770	2,187	\$109.99
GeForce GTX 960A	2,182	NA
GeForce GTX 555	2,176	NA
GeForce GTX 745	2,169	NA
Radeon TM R9 A360	2,148	NA
GRID K240Q	2,144	NA
Radeon R7 450	2,139	NA
GeForce GTX 675M	2,120	NA
Firepro W5170M	2,100	NA
Quadro K2200M	2,068	NA
GeForce GTX 670MX	2,050	NA
Quadro 5000M	2,039	NA
Radeon HD 5830	2,039	\$159.99*
FirePro M5100	2,035	NA
Radeon HD 6790	2,034	\$64.99*
GeForce GTX 960M	2,033	NA
GeForce GTX 570M	2,026	NA
Quadro M1000M	2,023	\$200.89*
GeForce GTX 480M	2,022	NA
Radeon R7 + R7 350 Dual	1,982	NA
Quadro 4000	1,979	\$173.37
Radeon R7 + HD 7700 Dual	1,962	NA
Radeon HD 7660D + HD 7700 Dual	1,958	NA
GeForce GTX 470M	1,950	NA
Radeon R9 M370X	1,931	NA
GeForce GTX 550 Ti	1,927	\$287.59*
Radeon HD 6900M	1,921	NA
GeForce GTX 645	1,915	NA
Intel Iris Pro 580	1,915	NA
Matrox C680 PCIe x16	1,907	NA
GeForce GTX 670M	1,896	NA
Quadro K3100M	1,895	\$1,999.00*
GeForce GTX 765M	1,880	NA
Radeon HD 8570D + HD 7700 Dual	1,835	NA
GeForce GTX 650	1,832	\$132.28
Radeon HD 8870M / R9 M270X / M370X	1,810	NA
FirePro 3D V7800	1,808	\$599.99*
FirePro W5130M	1,807	NA
FirePro W4100 Adapter	1,799	NA
GeForce GTX 950M	1,793	NA
Radeon HD 8670D + 7700 Dual	1,789	NA
Quadro 4000M	1,787	\$149.99*
	1,782	

Radeon R9 M360		NA
Quadro M600M	1,781	NA
Radeon R9 255	1,757	NA
FirePro W600	1,750	\$449.99
Quadro 5010M	1,748	NA
GeForce GTX 860M	1,702	NA
Radeon HD 5770	1,692	\$115.99*
Quadro K2000	1,685	\$159.20
Quadro K3000M	1,684	\$289.00
FirePro M6000 Mobility Pro	1,681	NA
Radeon HD 7750	1,675	\$129.99
Intel Iris 550	1,675	NA
Radeon HD 8870M	1,672	NA
Radeon HD 6770	1,668	\$76.99*
Radeon E8860	1,658	NA
FirePro M4000 Mobility Pro	1,654	NA
Quadro K2000D	1,646	\$396.50
FirePro W4100	1,611	\$159.99
GeForce GT 740	1,578	\$89.99
GeForce GT 755M	1,574	NA
GeForce GTX 560M	1,558	NA
GeForce GTS 450	1,556	\$64.99*
Radeon HD 4890	1,534	\$109.99*
Radeon R7 FX-9830P RADEON	1,523	NA
FirePro V5900	1,517	\$319.99*
FirePro M4000	1,512	NA
Radeon R9 M275X / M375	1,509	NA
GeForce 945M	1,501	NA
Intel Iris Pro 6200	1,488	NA
Radeon R9 M270X	1,487	NA
Radeon HD 7660D + HD 6670 Dual	1,485	NA
GeForce GTX 850M	1,478	NA
Radeon HD 7870M	1,478	NA
Intel HD P630	1,448	NA
Radeon R7 PRO A12-8870	1,442	NA
Radeon HD 7560D + 7670 Dual	1,426	NA
Quadro 3000M	1,423	\$398.96*
Radeon HD 5750	1,417	\$69.41*
FirePro M40003	1,411	NA
Radeon R7 250	1,410	\$29.99
Radeon R7 M350	1,408	NA
GeForce GTX 660M	1,407	NA
Radeon HD 7730	1,402	\$49.99*
FirePro 3D V5800	1,402	\$369.99*
Radeon R7 M370	1,398	NA
GeForce GTX 460M	1,386	NA
GeForce GTX 760M	1,384	NA
GeForce GTX 950A	1,381	NA
Radeon HD 4870	1,379	\$59.99*
Radeon HD 7850M	1,373	NA
	1,371	

Radeon R7 PRO A10-9700		NA
Radeon HD 8670D + 6670 Dual	 1,361	NA
Intel Iris 540	 1,360	NA
Radeon R7 PRO A12-9800	 1,347	NA
Radeon HD 7560D + HD 7700 Dual	 1,347	NA
Intel Iris Plus 640	 1,343	NA
FireStream 9270	 1,341	NA
Barco MXRT 5400	 1,335	NA
Intel HD 630	 1,324	NA
Radeon R7 PRO A10-8770	 1,320	NA
FirePro M5950	 1,314	NA
Quadro 2000	 1,308	\$71.92
Quadro 2000D	 1,295	\$289.75*
Radeon HD 6750	 1,293	\$49.99*
GeForce GT 750M	 1,292	NA
FirePro V4900	 1,290	\$144.99*
Radeon R7 PRO A10-9700E	 1,289	NA
FirePro W4170M	 1,288	NA
GeForce GT 545	 1,287	\$55.59*
GeForce GT 640	 1,286	\$59.99*
GeForce GTX 760A	 1,281	NA
Radeon R7 A370	 1,281	NA
Radeon R7 + R7 200 Dual	 1,278	NA
FirePro 3D V8750	 1,272	\$1,230.99*
Radeon R9 M265X	 1,270	NA
Radeon HD 8790M	 1,268	NA
GeForce GTX 285	 1,266	\$179.99*
Radeon HD 4870 X2	 1,262	NA
Radeon HD 8570D + HD 6670 Dual	 1,261	NA
Quadro K2100M	 1,258	\$170.64
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	 1,233	\$119.99*
GeForce 940MX	 1,228	NA
Radeon R9 M375	 1,225	NA
Radeon HD 8670D + HD 6670 Dual	 1,222	NA
Radeon R7 A10-7890K	 1,217	NA
GeForce 930A	 1,215	NA
Mobility Radeon HD 5870	 1,215	NA
FirePro 3D V8700	 1,208	\$199.99*
GeForce GT 650M	 1,203	NA
Firepro W4190M	 1,201	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	 1,179	NA
Quadro 2000 D	 1,168	NA
FireStream 9250	 1,165	NA
Radeon R7 A10-7870K	 1,151	NA
	 1,147	

GeForce GT 745A		NA
Radeon HD 8850M / R9 M265X	1,140	NA
GeForce 930MX	1,139	NA
GeForce GPU	1,135	NA
Radeon HD 7560D + 6670 Dual	1,131	NA
Radeon HD 4850 X2	1,130	NA
GeForce GTX 260	1,127	\$95.38*
FirePro M4170	1,114	NA
Radeon R9 M275	1,112	\$1,039.99
FirePro M4150	1,103	NA
Radeon HD 7660D + 6570 Dual	1,100	NA
Radeon R7 M260X	1,100	NA
Radeon HD 7670	1,096	NA
Radeon HD 7640G + HD 8750M Dual	1,091	NA
Quadro FX 5800	1,087	\$299.98*
FirePro 3D V4800	1,083	\$159.99*
Intel HD P530	1,082	NA
Quadro K2000M	1,080	\$265.27*
Radeon R7 PRO A12-9800E	1,077	NA
Radeon HD 5670	1,068	\$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
Firepro M4100	1,059	NA
Quadro 2000M	1,058	\$46.56*
GeForce GT 445M	1,056	NA
Radeon R7 PRO A12-9800B	1,053	NA
Radeon HD 6670	1,051	\$102.99*
Radeon HD 7670A	1,051	NA
GeForce GTX 295	1,049	\$159.99*
Radeon HD 4770	1,046	NA
Radeon R7 + R7 240 Dual	1,045	NA
Radeon R7 340	1,038	NA
Radeon HD 8600/8700M	1,037	NA
GeForce 845M	1,033	NA
Radeon HD 8570D + HD 8570 Dual	1,033	NA
Radeon HD 4850	1,030	\$89.99*
Radeon HD7570	1,029	NA
Radeon HD 8750M	1,029	NA
Radeon HD 8670D + R7 240 Dual	1,020	NA
Radeon R7 A10-7850K	1,019	NA
Radeon R7 + R5 330 Dual	1,015	NA
Quadro CX	1,013	\$149.95*
Radeon HD 7690M XT	1,009	NA
Radeon R7 A10-7860K	1,009	NA
Intel HD 530	1,006	NA
Quadro M500M	1,004	NA

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\* - Last price seen from our affiliates.



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