

# 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 9th of July 2018

		Price (USD)
TITAN Xp COLLECTORS EDITION	15,077	NA
Quadro GV100	14,590	NA
NVIDIA TITAN Xp	14,535	\$1,200.00*
TITAN V	14,167	\$3,474.99
GeForce GTX 1080 Ti	14,047	\$749.99
Quadro P6000	13,581	\$4,762.99*
NVIDIA TITAN X	13,257	\$1,200.00*
Radeon Pro Vega 64	13,168	NA
Radeon RX Vega	12,298	\$479.99
GeForce GTX 1080	12,296	\$499.99
GeForce GTX 1070 Ti	12,223	\$449.99
Quadro GP100	12,067	NA
Quadro P5200	12,026	NA
Radeon Pro Vega 56	12,005	NA
Radeon RX Vega 64	11,570	\$579.99
Radeon Vega Frontier Edition	11,457	\$1,049.99
GeForce GTX 980 Ti	11,342	\$619.99*
Radeon RX Vega 56	11,262	NA
GeForce GTX 1070	11,168	\$399.99
Radeon Pro WX 9100	11,037	NA
GeForce GTX TITAN X	10,687	\$1,999.99*
Quadro P4000	10,486	\$790.99
GeForce GTX 1080 with Max-Q Design	10,347	NA
Quadro P5000	10,278	\$1,789.01
VRVD5	10,222	NA
Quadro M6000 24GB	10,003	NA
GeForce GTX 1060 5GB	9,606	NA
GeForce GTX 980	9,596	\$597.24
Radeon Pro Duo	9,463	\$899.99
Quadro M5500	9,323	NA
Quadro M6000	9,296	\$3,998.00*
Radeon R9 Fury	9,101	\$399.99*
Quadro P3200	9,095	NA
Quadro P4000 with Max-Q Design	9,083	NA
GeForce GTX 1060	8,969	\$279.99
GeForce GTX 1060 3GB	8,912	\$229.99
GeForce GTX 780 Ti	8,893	\$749.99*
GeForce GTX 1070 with Max-Q Design	8,635	NA
GeForce GTX TITAN Black	8,608	\$999.99*
GeForce GTX 970	8,591	\$463.56
Radeon R9 390X	8,561	NA
Quadro M5000	8,454	\$1,780.00*
Radeon R9 Fury + Fury X	8,424	\$399.99*
Radeon RX 580	8,381	\$269.99
FirePro W9100 Adapter	8,299	NA
FirePro W8100 Graphic Adapter	8,219	NA
Quadro P2000	8,172	\$429.99
Radeon RX 480	8,118	\$298.99
Radeon R9 390	8,075	NA
GeForce GTX 780	7,970	\$740.99*
GeForce GTX Titan	7,917	\$2,054.59*
Radeon Pro WX 7100	7,804	\$599.99

GeForce GTX TITAN Z	7,748	\$2,799.99*
Radeon R9 295X2	7,658	\$1,099.99*
Quadro K6000	7,610	\$2,298.89*
Radeon RX 470	7,463	\$339.00
GeForce GTX 1060 with Max-Q Design	7,414	NA
Radeon R9 290X / 390X	7,394	\$688.88
Tesla M60	7,233	NA
FirePro W9100	7,137	\$2,749.99*
Radeon R9 290 / 390	7,109	\$787.12
Radeon RX Vega M GH	7,030	NA
Radeon RX 570	6,799	\$239.00
Quadro M4000	6,695	\$789.99
Radeon RX580	6,494	NA
Radeon R9 380X	6,169	\$249.99*
Quadro K5200	6,137	\$799.00
Radeon R9 380	6,105	\$264.99*
GeForce GTX 770	6,082	\$449.99*
FirePro W8100	6,011	\$999.99*
GeForce GTX 1050 Ti	5,918	\$169.99
GRID M60-2Q	5,904	NA
GeForce GTX 1050 Ti with Max-Q Design	5,865	NA
GeForce GTX 980M	5,854	NA
Radeon R9 280X	5,847	NA
GeForce GTX 960	5,805	\$229.99*
FirePro W7100 Adapter	5,794	NA
Radeon R9 M395X	5,762	NA
GeForce GTX 680	5,678	\$579.99*
Radeon R9 285 / 380	5,554	\$380.00
Radeon Pro WX 5100	5,521	\$389.99
Radeon HD 7990	5,518	\$1,126.99*
Quadro M5000M	5,445	NA
FirePro W9000	5,394	\$3,443.99*
Radeon R9 280	5,394	NA
FirePro W7100	5,373	\$629.99*
GeForce GTX 670	5,373	\$474.99*
GeForce GTX 690	5,371	\$999.00*
GRID M60-1Q	5,309	NA
Radeon HD 7970 / R9 280X	5,248	\$305.00
GeForce GTX 950	5,212	\$194.44*
Radeon R9 M295X	5,150	NA
GeForce GTX 760 Ti	5,111	\$297.50*
GeForce GTX 580	5,023	\$289.88*
Radeon R9 M395	5,007	NA
Quadro P3000	4,995	NA
Quadro P1000	4,958	\$319.99
GeForce GTX 760	4,939	\$249.99*
Radeon RX Vega M GL	4,893	NA
Radeon HD 8990	4,893	NA
Radeon HD 7950 / R9 280	4,765	\$353.87
FirePro W8000 Adapter	4,752	NA
Radeon R9 370	4,722	NA
Radeon R9 270X	4,682	\$299.00
GeForce GTX 660 Ti	4,671	\$321.99*
Radeon R7 370	4,660	NA
FirePro W7170M	4,643	NA
GeForce GTX 1050	4,573	\$129.99
Quadro M4000M	4,568	NA
Quadro K4200	4,477	\$650.00
Radeon RX 560	4,465	\$139.99
Radeon HD 7870 XT	4,450	NA
GRID P6-4Q	4,429	NA
FirePro W8000	4,418	\$1,048.99*
GeForce GTX 570	4,418	\$99.99*
GRID K520	4,384	NA
Radeon HD 7870	4,367	\$299.00
GeForce GTX 480	4,360	\$71.99*
GeForce GTX 680MX	4,354	NA
Quadro M3000M	4,340	NA
Radeon RX 460	4,338	\$169.50
Barco MXRT 7500	4,319	NA
Quadro M2000	4,309	\$363.23
Radeon R9 270 / R7 370	4,262	\$146.38
FirePro W7000	4,246	\$569.99*
Radeon R9 M390X	4,213	NA
GeForce GTX 590	4,209	\$184.00*
GeForce GTX 775M	4,171	NA
FirePro S7000	4,166	NA

GeForce GTX 660	4,127	\$349.99*
Radeon R9 M290X	4,094	NA
GeForce GTX 970M	4,036	\$1,899.00*
Quadro K5000	4,022	\$374.99
GeForce GTX 780M	4,004	NA
Radeon Pro WX 4100	3,982	\$279.99
FirePro W7000 Adapter	3,964	NA
Radeon Pro WX4100	3,949	NA
GRID M60-8Q	3,909	NA
Radeon HD 8970M	3,876	NA
Radeon RX480	3,858	NA
Radeon HD 7850	3,837	\$449.59
Radeon HD 7970M	3,811	NA
GRID K2	3,773	\$1,477.00
Tesla C2050 / C2070	3,756	NA
GeForce GTX 750 Ti	3,728	\$299.01*
Quadro P620	3,715	\$178.51
GeForce GTX 880M	3,652	NA
GeForce GTX 470	3,603	\$522.01*
Radeon R9 M470X	3,597	NA
Radeon Pro WX 3100	3,589	NA
Quadro K2200	3,562	\$349.99
Radeon Pro 560	3,553	NA
Device	3,545	NA
GeForce GTX 650 Ti BOOST	3,537	NA
GeForce GTX 560 Ti	3,535	\$138.00*
Radeon HD 6970	3,515	\$94.99*
Quadro 6000	3,505	\$425.00
Radeon RX 550	3,482	\$109.99
Tesla C2050	3,465	NA
Radeon Pro 460	3,453	NA
Radeon Pro WX 4150	3,428	NA
Quadro M2200	3,411	NA
GeForce GTX 680M	3,356	\$499.99*
GRID P40-2B	3,354	NA
Tesla C2075	3,324	\$2,269.99*
Radeon RX550	3,313	NA
Radeon R7 360	3,304	\$146.65*
GeForce GTX 750	3,297	\$150.99*
Radeon HD 6950	3,207	\$89.99*
FirePro V7000 Adapter	3,162	NA
Radeon R7 260X	3,155	\$239.00
Radeon Pro 555	3,141	NA
GeForce GTX 965M	3,140	NA
Radeon HD8970M	3,131	NA
GeForce GTX 560	3,121	\$353.59*
Quadro K5100M	3,094	NA
Quadro P600	3,094	\$173.02
Radeon R9 M380	3,085	NA
Tesla C2070	3,077	NA
Radeon HD 7790	3,064	\$134.99*
FirePro W5000	3,060	\$434.00*
Radeon R9 360	3,039	\$519.00*
Quadro K1200	3,034	\$299.25
Radeon R9 260	3,018	NA
Radeon HD 8950	3,015	NA
FirePro W5100	3,001	\$279.13*
GeForce GTX 465	2,949	\$263.28*
GRID K260Q	2,941	NA
FirePro M6100	2,919	NA
FirePro W4300	2,894	\$239.99*
Radeon R7 260	2,891	\$89.99*
Quadro M1200	2,887	NA
Quadro K4000	2,883	\$261.50
Radeon HD 6990	2,859	\$159.99*
Quadro 5000	2,832	\$170.00
FirePro 3D V9800	2,812	\$2,499.00*
Quadro M620	2,790	NA
Radeon RX540	2,788	NA
Quadro M2000M	2,782	NA
Radeon Pro WX 4130	2,768	NA
FirePro V9800 Adapter	2,731	NA
Radeon Pro 450	2,723	NA
FirePro V7900	2,718	\$119.99*
GeForce GTX 650 Ti	2,659	\$129.99*
GeForce GTX 460	2,656	\$89.99*
GeForce GTX 770M	2,640	\$177.99*

Radeon HD 5870	2,616	\$99.99*
Quadro K5000M	2,615	\$329.99*
Radeon HD 6870	2,607	\$89.99*
Radeon HD 5970	2,596	\$329.99*
Quadro K2200M	2,572	NA
Quadro K4100M	2,517	\$379.99*
GeForce GTX 460 v2	2,493	\$199.99*
MxGPU	2,487	NA
FirePro 3D V8800	2,472	\$424.99*
GeForce GTX 675MX	2,414	NA
GeForce GTX 485M	2,383	NA
GeForce GTX 870M	2,380	NA
Radeon RX Vega 11	2,366	NA
GeForce GTX 960A	2,359	NA
Quadro K620	2,326	\$167.99
GeForce GTX 580M	2,324	NA
Radeon HD 6850	2,281	\$99.99*
Radeon HD 5850	2,276	\$79.99*
Radeon R7 250X	2,269	\$260.69*
Radeon R9 350	2,265	\$80.05
Quadro K4000M	2,263	NA
Radeon Vega 11	2,254	NA
GeForce GTX 460 SE	2,249	\$159.99*
GeForce GT 1030	2,244	\$77.99
GRID K280Q	2,243	NA
Quadro M1000M	2,237	\$200.89*
GeForce GT 645	2,215	NA
Radeon HD 7770	2,214	\$199.00
GeForce GTX 560 SE	2,205	\$89.99*
GeForce GTX 960M	2,200	NA
Firepro W5170M	2,191	NA
RadeonT R7 450	2,187	NA
GeForce GTX 745	2,178	NA
Radeon R7 450	2,175	\$49.99
GeForce GTX 555	2,157	NA
Radeon TM R9 A360	2,148	NA
GRID K240Q	2,144	NA
GeForce GTX 675M	2,140	NA
Radeon R9 M470	2,118	NA
FirePro M5100	2,097	NA
GeForce MX150	2,085	NA
Intel Iris Pro P580	2,081	NA
GeForce GTX 670MX	2,062	NA
Radeon R9 M375X	2,062	NA
Radeon HD 5830	2,046	\$159.99*
Radeon HD 6790	2,044	\$64.99*
GeForce GTX 480M	2,043	NA
Quadro 5000M	2,039	NA
Quadro 4000	2,027	\$184.99
GeForce GTX 570M	2,022	NA
15DD	2,018	NA
Quadro K3100M	1,994	\$1,999.00*
Radeon Vega 8	1,991	NA
Radeon R7 + R7 350 Dual	1,982	NA
Radeon R9 M360	1,976	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 HD 6900M	1,939	NA
GeForce GTX 670M	1,932	NA
Radeon R9 M370X	1,931	NA
GeForce GTX 550 Ti	1,927	\$287.59*
GeForce GTX 645	1,924	NA
Radeon Vega 10	1,895	NA
GeForce GTX 765M	1,879	NA
GeForce MX130	1,874	NA
Quadro M600M	1,851	NA
GeForce GTX 860M	1,850	NA
Intel Iris Pro 580	1,842	NA
Radeon Pro WX 2100	1,837	NA
Radeon HD 8570D + HD 7700 Dual	1,835	NA
GeForce GTX 650	1,832	\$144.81*
Quadro 5010M	1,825	\$235.95*
GeForce GTX 950M	1,813	NA
Matrox C900 PCIe x16	1,812	NA
FirePro 3D V7800	1,810	\$599.99*

Radeon HD 8870M / R9 M270X / M370X	<div><div></div></div> 1,800	NA
Quadro 4000M	<div><div></div></div> 1,799	\$111.99
Radeon HD 8670D + 7700 Dual	<div><div></div></div> 1,789	NA
Radeon R7 FX-9830P RADEON	<div><div></div></div> 1,786	NA
Radeon R9 255	<div><div></div></div> 1,772	\$347.07
Radeon Vega 6	<div><div></div></div> 1,770	NA
Quadro K3000M	<div><div></div></div> 1,769	\$155.00*
FirePro W4100 Adapter	<div><div></div></div> 1,741	NA
Quadro P400	<div><div></div></div> 1,735	\$116.47
FirePro W600	<div><div></div></div> 1,728	\$479.99*
FirePro M6000 Mobility Pro	<div><div></div></div> 1,721	NA
FirePro M4000 Mobility Pro	<div><div></div></div> 1,721	NA
Quadro K2000	<div><div></div></div> 1,715	\$178.99
Radeon HD 5770	<div><div></div></div> 1,706	\$115.99*
Radeon HD 7750	<div><div></div></div> 1,701	\$179.00
Quadro P500	<div><div></div></div> 1,686	NA
Radeon HD 6770	<div><div></div></div> 1,678	\$76.99*
Quadro K2000D	<div><div></div></div> 1,672	\$469.99
Radeon Vega 8 Mobile	<div><div></div></div> 1,671	NA
FirePro W5130M	<div><div></div></div> 1,656	NA
Radeon 540	<div><div></div></div> 1,643	NA
Ryzen 7 2700U with Radeon Vega	<div><div></div></div> 1,642	NA
Radeon HD 8870M	<div><div></div></div> 1,638	NA
Intel Iris 550	<div><div></div></div> 1,623	NA
FirePro W4100	<div><div></div></div> 1,617	\$159.99*
Radeon RX Vega 10	<div><div></div></div> 1,587	NA
FirePro M4000	<div><div></div></div> 1,583	NA
GeForce GT 755M	<div><div></div></div> 1,580	NA
Radeon E8860	<div><div></div></div> 1,577	NA
GeForce GT 740	<div><div></div></div> 1,575	\$94.99*
GeForce GTX 850M	<div><div></div></div> 1,568	NA
GeForce GTS 450	<div><div></div></div> 1,557	\$64.99*
GeForce GTX 560M	<div><div></div></div> 1,552	NA
Radeon HD 4890	<div><div></div></div> 1,538	\$109.99*
GeForce GTX 950A	<div><div></div></div> 1,533	NA
Intel Iris Pro Graphics 6200	<div><div></div></div> 1,531	NA
Intel Iris Plus 650	<div><div></div></div> 1,529	NA
FirePro V5900	<div><div></div></div> 1,527	\$319.99*
Quadro M520	<div><div></div></div> 1,517	NA
Ryzen 5 2500U with Radeon Vega	<div><div></div></div> 1,496	NA
Radeon R9 M275X / M375	<div><div></div></div> 1,487	NA
Radeon HD 7660D + HD 6670 Dual	<div><div></div></div> 1,485	NA
Radeon HD 7870M	<div><div></div></div> 1,478	NA
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	<div><div></div></div> 1,463	NA
Quadro 3000M	<div><div></div></div> 1,456	\$50.98
FirePro 3D V5800	<div><div></div></div> 1,451	\$369.99*
Radeon HD 5750	<div><div></div></div> 1,438	\$69.41*
GeForce 945M	<div><div></div></div> 1,434	NA
Radeon HD 7730	<div><div></div></div> 1,433	\$49.99*
GeForce GTX 660M	<div><div></div></div> 1,430	NA
Radeon HD 7560D + 7670 Dual	<div><div></div></div> 1,426	NA
Radeon R7 430	<div><div></div></div> 1,422	NA
Radeon R9 M270X	<div><div></div></div> 1,418	NA
GeForce GTX 760M	<div><div></div></div> 1,417	NA
Radeon R7 M370	<div><div></div></div> 1,411	NA
Radeon R7 250	<div><div></div></div> 1,407	\$71.00
GeForce GTX 460M	<div><div></div></div> 1,395	NA
Intel Iris Plus 640	<div><div></div></div> 1,392	NA
Radeon HD 4870	<div><div></div></div> 1,382	\$59.99*
Radeon R7 PRO A12-8870	<div><div></div></div> 1,376	NA
Radeon HD 7850M	<div><div></div></div> 1,373	NA
Radeon R7 PRO A10-9700	<div><div></div></div> 1,368	NA
FirePro M40003	<div><div></div></div> 1,364	NA
Radeon HD 8670D + 6670 Dual	<div><div></div></div> 1,361	NA
Intel HD P630	<div><div></div></div> 1,350	NA
Radeon R7 PRO A12-9800	<div><div></div></div> 1,347	NA
Intel Iris 540	<div><div></div></div> 1,347	NA
Radeon HD 7560D + HD 7700 Dual	<div><div></div></div> 1,347	NA
FireStream 9270	<div><div></div></div> 1,341	NA
Barco MXRT 5400	<div><div></div></div> 1,335	NA
Radeon HD 8790M	<div><div></div></div> 1,322	NA
Radeon R7 PRO A10-8770	<div><div></div></div> 1,320	NA
Radeon HD 6750	<div><div></div></div> 1,316	\$49.99*
Quadro 2000	<div><div></div></div> 1,315	\$125.00
FirePro M5950	<div><div></div></div> 1,314	NA
Quadro K2100M	<div><div></div></div> 1,314	\$159.99*

GeForce 940MX		1,310	NA
Radeon HD 4870 X2		1,310	NA
Radeon R7 PRO A8-8670E		1,310	NA
Radeon R7 M465		1,306	NA
FirePro V4900		1,299	\$144.99*
GeForce GT 545		1,295	\$55.59*
FirePro W4170M		1,295	NA
GeForce GT 750M		1,290	NA
Radeon R7 + R7 200 Dual		1,290	NA
GeForce GTX 760A		1,281	NA
GeForce GT 640		1,281	\$59.99*
Radeon R7 A370		1,281	NA
Quadro 2000D		1,278	\$209.00*
Radeon R9 M265X		1,272	NA
FirePro 3D V8750		1,272	\$1,230.99*
GeForce GTX 285		1,270	\$179.99*
Firepro W4190M		1,270	NA
Radeon HD 8570D + HD 6670 Dual		1,261	NA
GeForce GTX 275		1,241	\$119.99*
Radeon R7 A12-9800 RADEON		1,240	NA
Radeon HD 8570D + 6570 Dual		1,239	NA
Mobility Radeon HD 5870		1,239	NA
Radeon HD 7660D + 6670 Dual		1,238	NA
Radeon HD 8790M / R9 M290X		1,237	NA
Radeon HD 8670D + HD 6670 Dual		1,222	NA
GeForce GT 650M		1,222	NA
Radeon R9 M375		1,214	NA
Radeon R7 A10-9700 RADEON		1,208	NA
FirePro V4800		1,205	NA
GeForce 930A		1,204	NA
GeForce GTX 280		1,201	\$522.78*
Radeon R7 M350		1,199	NA
FirePro 3D V8700		1,198	\$199.99*
Radeon HD 7750M		1,191	NA
Radeon R7 A12-9800E RADEON		1,186	NA
Radeon R7 PRO A10-8770E		1,185	NA
Radeon 530		1,183	NA
Quadro 2000 D		1,182	NA
Radeon R7 A10-7890K		1,174	NA
GeForce 930MX		1,174	NA
GeForce GPU		1,172	NA
Intel Iris Pro 5200		1,171	NA
FireStream 9250		1,165	NA
Radeon R7 PRO A12-8870E		1,160	NA
GeForce GT 745A		1,156	NA
NVS 810		1,153	\$624.99
Intel UHD 630		1,149	NA
Radeon HD 4850 X2		1,148	NA
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\* - Last price seen from our affiliates.

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