Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

This chart lists relative performance of videocards mid to ul systems only with new graphics drivers. Click on any video card in the list for more detailed information about that GPU including games, PCs. Recently introduced ATI video cards can be found at the bottom and NVIDIA graphics cards (such as the GeForce GTX 1080 Ti) are listed at the top. Mobile GPU's are listed on the seperate mobile gpu chart.

High End Video Card Chart

ADVERTISEMENT

VIDEO CARD
High End Range
Mid Range
Low End
Best Value
Performance/Price
Recommended
Embedded
Video Card Range Search
20% Cumulative Video Card Share

G3D Mark
Price Performance

PassMark - G3D Mark
Last Updated: 2017-11-20

Videocard	Average G3D Mark	Price ($US)
Nvidia Titan Xp Collectors Edition	10,444	$1,299.00
AMD Radeon Pro Vega 64	10,393	$1,700.00
Nvidia Titan Xp	10,313	$1,199.00
AMD Radeon Pro Duo	10,277	$1,499.00
NVIDIA Titan V	10,257	NA
AMD Radeon Pro Vega 56	10,254	$1,000.00
Nvidia Titan X (Pascal)	10,252	$1,200.00
AMD Radeon R9 295X2	10,243	$1,476.00
Nvidia Titan Xp Collectors Edition	10,240	$1,299.00
AMD Radeon R9 Fury X2	10,240	$1,799.00
NVIDIA Titan X (Pascal)	10,239	$1,200.00
NVIDIA TITAN V	10,238	$2,999.00
NVIDIA Titan V CEO Edition	10,142	NA
Nvidia Titan Xp Collectors Edition	10,140	$1,299.00
NVIDIA Titan X (Pascal)	10,139	$1,200.00
NVIDIA TITAN V CEO Edition	10,138	$3,699.00
Nvidia Titan X (Pascal)	10,137	$1,200.00
NVIDIA Titan V	10,136	$2,999.00
NVIDIA Titan Xp	10,135	$1,199.00
NVIDIA Titan V CEO Edition	10,134	$3,699.00
NVIDIA Titan Xp	10,133	$1,199.00
NVIDIA Titan V	10,132	$2,999.00
NVIDIA Titan X (Pascal)	10,131	$1,200.00
NVIDIA Titan Xp	10,130	$1,199.00
NVIDIA Titan V	10,129	$2,999.00
NVIDIA Titan X (Pascal)	10,128	$1,200.00
NVIDIA Titan Xp	10,127	$1,199.00
NVIDIA Titan V	10,126	$2,999.00
NVIDIA Titan X (Pascal)	10,125	$1,200.00
NVIDIA Titan Xp

Radeon Vega 7 4800U		4,275	Test
Radeon RX 6600 XT		4,266	100.00
Radeon RX 5600		4,262	100.00
Quadro M620		4,258	0.000.00
FirePro W600		4,257	100.00
Radeon RX 5600		4,257	Test
Radeon RX 6600		4,255	100.00
Radeon RX 5500		4,252	100.00
Ryzen 5 PRO 3600G with Radeon Graphics		4,229	Test
Radeon Vega 7 PRO		4,225	Test
Radeon RX 6670		4,224	100.00
Ryzen 5 PRO 4650GE with Radeon Graphics		4,210	Test
Radeon RX 6670		4,208	200.00
Ryzen 5 PRO 3400G with Radeon Graphics		4,196	Test
Radeon Pro 5500M 8GB		4,187	Test
Ryzen 5 PRO 4650G with Radeon Graphics		4,184	Test
GeForce GTX 745		4,184	200.00
Radeon R7 450		4,183	Test
Quadro M1200		4,179	0.000.00
Intel Iris Pro 5200		4,166	Test
Quadro P600		4,164	1,000.00
Quadro M2000		4,162	50.00
Radeon RX Vega 7		4,158	1,000.00
Ryzen 5 PRO 3400GE with Radeon Graphics		4,156	Test
Radeon R9 M485X		4,155	Test
FirePro W8100		4,153	Test
Radeon RX 6650 XT		4,151	100.00
GeForce GTX 1650		4,151	100.00
GeForce GTX 960 SE		4,150	100.00
GeForce GTX 960 SE		4,150	100.00
GeForce GTX 1650		4,149	Test
Ryzen 7 3700U with Radeon Graphics		4,144	Test
Ryzen 5 PRO 4650U with Radeon Graphics		4,140	Test
Quadro K5000M		4,139	Test
Radeon Ryzen 7 4750U		4,093	Test
GeForce GTX 470M		4,091	Test
Intel Iris Pro 580		4,089	Test
Ryzen 5 PRO 4650U with Radeon Graphics		4,088	Test
Radeon R9 M485X		4,085	Test
Radeon Ryzen 7 PRO 4750U		4,083	Test
GeForce GTX 460 SE		4,081	100.00
Quadro K5100M		4,080	200.00
Quadro M1000M		4,080	200.00
Quadro K610M		4,080	100.00
Radeon R7 + R7 360 Dual		4,080	Test
Radeon (E) 6850		4,079	100.00
Radeon R7 450		4,069	75.00
Quadro K620		4,067	Test
Radeon R9 380		4,065	200.00
Radeon R7 + R9 770 Dual		4,063	Test
Quadro M1200		4,062	100.00
Radeon R9 M485X + R9 770 Dual		4,062	Test
GeForce GTX 470M		4,062	Test
GeForce GTX 1650		4,061	100.00
GeForce GTX 460 SE		4,061	100.00
Ryzen 5 4600H with Radeon Graphics		4,057	Test
Ryzen 5 4600U with Radeon Graphics		4,057	Test
GeForce GTX 670MX		4,056	Test
Ryzen 5 4500U with Radeon Graphics		4,047	Test
Radeon R9 M485X + R9 770 Dual		4,045	Test
GeForce 940M		4,045	Test
Radeon R9 M385		4,044	Test
Radeon R9 M485X + R9 770 Dual		4,043	Test
GeForce GTX 660		4,042	Test
Intel Iris Pro Graphics		4,040	Test
Radeon Vega 11		4,040	Test
Radeon R9 M485X		4,040	Test
Radeon R9 Fiji + R Fanatic		4,040	Test
FirePro W8100 Firefly X		4,038	Test
GeForce 940MX		4,038	Test
Radeon R9 M375X		4,033	Test
Radeon R9 M485X + R9 770 Dual		4,031	Test
Radeon R9 M385		4,027	Test
MoDPU		4,026	Test
Radeon Ryzen 4 4000U		4,025	Test
FirePro W8000		4,024	100.00
Ryzen 5 PRO 4650U with Radeon Graphics		4,024	Test
Radeon R9 M375X + R9 770 Dual		4,019	Test
Radeon R9 M375		4,015	Test
Radeon R9 M485X		4,014	Test
GeForce GTX 670M		4,011	Test
Radeon 610		4,010	Test
Radeon R9 M375X + R9 M375X		4,010	Test
Ryzen 5 PRO 4500U with Radeon Graphics		4,009	Test
Radeon R9 M485X + R9 770 Dual		4,008	Test
Radeon R9 M385		4,006	Test
Radeon R9 M375X + R9 770 Dual		4,005	Test
Radeon R9 M375X + R9 M375X		4,004	Test
Radeon R9 M485X + R9 770 Dual		4,003	Test
Radeon R9 M375X + R9 770 Dual		4,002	Test
Radeon R9 M485X + R9 770 Dual		4,001	Test
Radeon R9 M375X + R9 770 Dual		4,000	Test
Radeon R9 M375X + R9 M375X		4,000	Test
Radeon R9 M485X + R9 770 Dual		4,000	Test
Radeon R9 M375X + R9 770 Dual