

	Ultra High End		High End		Mid Range		Entry		
BOARD FEATURES	Quadro 6000	Quadro FX 5800	Quadro 5000	Quadro 4000	Quadro 4000 for Mac	Quadro 2000	Quadro 2000D	Quadro 600	Quadro 400
Memory Size	6GB ⁴ GDDR5	4GB GDDR3	2.5GB GDDR5	2GB GDDR5	2GB GDDR5	1GB GDDR5	1GB GDDR5	1GB DDR3	512MB DDR3
Memory Interface	384-bit	512-bit	320-bit	256-bit	256-bit	128-bit	128-bit	128-bit	64-bit
Memory Bandwidth	144 GB/s	102GB/s	120 GB/s	89.6 GB/s	89.6 GB/s	41.6 GB/s	41.6 GB/s	25.6 GB/s	12.3 GB/s
CUDA™ Parallel Processor Cores	448	240	352	256	256	192	192	96	48
Gigaflops (Single Precision)									
Gigaflops (Double Precision)									
Max Power Consumption	204W	189W	152W	142W	142W	62W	62W	40W	32W
Number of slots	2	2	2	1	1	1	1	1	1
Display Connectors	DVI-I DP DP 3pin Stereo	DVI-I DVI-I DP 3pin Stereo	DVI-I DP DP 3pin Stereo	DVI-I DP DP 3pin Stereo ²	DVI-I DP 3pin Stereo ²	DVI-I DP DP	DVI-I DVI-I	DVI-I DP	DVI-I DP
Dual Link DVI	1	2	1	1	1	1	2	1	1
DisplayPort	2	1	2	2	1	2		1	1
ECC (Error Correcting Code)	✓		✓						
Fast Double Precision	✓		✓	✓	✓				
OpenGL	4.1	3.3	4.1	4.1	4.1 ³	4.1	4.1	4.1	4.1
Shader Model	5.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0
DirectX	11	10.1	11	11	11	11.0	11.0	11.0	10.1
3D Vision Pro	✓	✓	✓	✓		✓	✓	✓	✓
Quadro® Mosaic Technology	✓	✓	✓	✓		✓	✓	✓	✓
NVIDIA® SLI® Multi OS	✓	✓	✓	✓		✓	✓		
NVIDIA® SLI Frame Rendering Support	✓	✓	✓						
NVIDIA® nView® Display Management Technology	✓	✓	✓	✓		✓	✓	✓	✓
Quadro® SDI option card	✓	✓	✓	✓					
Quadro® G-Sync option card	✓	✓	✓						
3D PRIMITIVE PERF									
Triangles per Second	1.3 Billion	300 Million	950 Million	890 Million	890 Million	410 Million	410 Million	210 Million	120 Million
3D APPLICATION PERFORMANCE ¹									
catia-03	42.34	25.65	39.17	33.17	N/A	29.49	29.49	17.51	14.53
ensight-04	59.01	15.75	41.87	29.82	N/A	20.12	20.12	10.50	5.62
maya-03	92.77	51.97	82.37	70.72	N/A	57.00	57.00	36.62	22.51
proe-05	7.87	8.10	8.07	7.93	N/A	9.04	9.04	8.56	8.38
sw-03	38.16	32.39	35.57	37.63	N/A	40.89	40.89	28.86	24.21
tcvis-02	46.63	19.23	40.29	35.12	N/A	24.43	24.43	15.35	9.14
ugnx-02	59.17	18.55	43.40	31.85	N/A	21.55	21.55	12.87	9.33
lightwave-01	40.27	40.09	38.01	39.13	N/A	52.30	52.30	42.04	39.27
Relative Performance Score	40.84	23.02	35.60	31.27	N/A	27.68	27.68	18.52	13.71

¹ SPECviewperf® 11: for more information www.spec.org. Tested on single proc 3.3 GHz Quad Core Xeon® w5590, x58, Windows 7-64, Driver Release rel 260+. Quadro 400, 410, and 600

² Optional

³ OpenGL 3.1 on Mac OSX, OpenGL 4.1 on Windows using Bootcamp

⁴ 6GB is supported on Win7 and Linux64 (4GB memory limit on Windows XP64) via Rel 256 driver