

	Ultra High End		High End				Mid Range	Entry				
BOARD FEATURES	(NEW!) Quadro 6000	Quadro FX 5800	(NEW!) Quadro 5000	Quadro FX 4800	Quadro FX 4800 for Mac	(NEW!) Quadro 4000	Quadro FX 3800	Quadro FX 1800	Quadro FX 580	Quadro FX 380	Quadro FX 380 LP	Quadro FX 370 LP
Memory Size	6GB <sup>6</sup> GDDR5	4GB GDDR3	2.5GB GDDR5	1.5GB GDDR3	1.5GB GDDR3	2GB GDDR5	1GB GDDR3	768MB GDDR3	512MB GDDR3	256MB GDDR3	512MB DDR3	256MB DDR2
Memory Interface	384-bit	512-bit	320-bit	384-bit	384-bit	256-bit	256-bit	192-bit	128-bit	128-bit	64-bit	64-bit
Memory Bandwidth	144 GB/s	102GB/s	120 GB/s	76.8GB/s	76.8GB/s	89.6 GB/s	51.2 GB/s	38.4 GB/s	25.6 GB/s	22.4 GB/s	12.8 GB/s	8GB/s
CUDA™ Parallel Processor Cores	448	240	352	192	192	256	192	64	32	16	16	8
Max Power Consumption	204W	189W	152W	150W	150W	142W	108W	59W	40W	34W	28W	25W
Number of slots	2	2	2	2	2	1	1	1	1	1	1	1
Display Connectors	DVI-I DP DP Stereo	DVI-I DVI-I DP Stereo	DVI-I DP DP Stereo	DVI-I DP DP Stereo	DVI-I DVI-I Stereo	DVI-I DP DP STEREO <sup>3</sup>	DVI-I DP DP STEREO <sup>3</sup>	DVI-I DP DP	DVI-I DP DP	DVI-I DVI-I	DVI-I DP	DMS-59
Dual Link DVI	1	2	1	1	2	1	1	1	1	2	1	
Single Link DVI												2
DisplayPort	2	1	2	2		2	2	2	2		1	
OpenGL	4.0	3.3	4.0	3.3	3.3 <sup>5</sup>	4.0	3.3	3.3	3.3	3.3	3.3	3.3
Shader Model	5.0	4.0	5.0	4.0	4.0	5.0	4.0	4.0	4	4	4.1	4.0
DirectX	11	10.1	11	10.1	10.1	11	10.1	10.1	10.1	10.1	10.1	10.1
3D Vision Pro	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quadro® Panoramic	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
NVIDIA® SLI® Mosaic Mode	Yes		Yes									
NVIDIA® SLI® Multi OS	Yes	Yes	Yes	Yes		Yes	Yes	Yes				
NVIDIA® SLI Frame Rendering Support	Yes	Yes	Yes	Yes								
Quadro® SDI option card	Yes	Yes	Yes	Yes		Yes	Yes					
Quadro® G-Sync option card	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>								
ECC (Error Correcting Code)	Yes		Yes									
Fast Double Precision	Yes		Yes			Yes						
<b>3D PRIMITIVE PERF</b>												
Triangles per Second	1.3 Billion	300 Million	950 Million	300 Million	300 Million	890 Million	300 Million	268.6 Million	170.2 Million	95.6 Million	93.0 Million	90.4 Million
<b>3D APPLICATION PERFORMANCE<sup>2</sup></b>												
catia-03	42.34	25.65	39.17	24.92	N/A	33.17	24.64	23.56	16.34	9.68	10.30	N/A
ensight-04	59.01	15.75	41.87	15.23	N/A	29.82	15.12	9.63	7.00	6.04	5.77	N/A
maya-03	92.77	51.97	82.37	50.04	N/A	70.72	38.98	14.95	10.82	6.17	8.13	N/A
proe-05	7.87	8.10	8.07	8.15	N/A	7.93	8.19	9.12	8.79	7.76	8.41	N/A
sw-03	38.16	32.39	35.57	33.75	N/A	37.63	33.14	37.68	29.18	20.09	20.23	N/A
tcvis-02	46.63	19.23	40.29	18.13	N/A	35.12	17.89	19.24	12.30	7.73	7.16	N/A
ugnx-02	59.17	18.55	43.40	17.84	N/A	31.85	17.53	17.38	12.33	8.13	7.72	N/A
lightwave-01	40.27	40.09	38.01	41.69	N/A	39.13	39.97	53.44	44.35	32.74	30.84	N/A
Relative Performance Score	40.84	23.02	35.60	22.70	N/A	31.27	21.71	19.49	14.66	10.18	10.43	N/A

<sup>1</sup> NVIDIA Quadro G-Sync is available as a separate option card for NVIDIA Quadro 6000, Quadro 5000, Quadro FX 5800 and Quadro FX 4800.

<sup>2</sup> SPECviewperf® 11: for more information [www.spec.org](http://www.spec.org). Tested on single proc 3.3 GHz Quad Core Xeon® w5590, x58, Windows 7-64, Driver Release rel 260+

<sup>3</sup> Optional

<sup>4</sup> OpenGL 3.1 on Mac OSX, OpenGL 4.0 on Windows using Bootcamp

<sup>5</sup> OpenGL 3.1 on Mac OSX, OpenGL 3.3 on Windows using Bootcamp

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