

NVIDIA® QUADRO® PROFESSIONAL GRAPHICS SOLUTIONS

QUADRO
LINECARD

		Model	Display					Performance					Features					Multi-GPU Features			Options			
			Dual-Link DVI	Display Port	Maximum Display Resolution Digital @ 60Hz	FSAA (maximum)	NVIDIA® Mosaic Technology	NVIDIA® CUDA™ Processing Cores	Graphics Memory	Memory Bandwidth	GigaFlops (Double Precision)	GigaFlops (Single Precision)	Relative Performance Score ¹	OpenGL	DirectX	Shader Model	Error Correcting Code Memory	High Performance Double Precision	NVIDIA® Multi-OS Support	NVIDIA® SLI® Frame Rendering Support	NVIDIA® SLI® FSAA	HD SDI Capture/Output	G-Sync	
Quadro Plex	VISUAL COMPUTING SYSTEM	Quadro Plex 7000	4	-	2560 x 1600	128x	✓	1024	12 GB ³	177.6 GBps	670.7	1341.4	N/A	4.1	11	5.0	✓	✓		✓	✓	⁶	✓	
		Quadro Plex 2200 D2	4	2	2560 x 1600	64x	✓	480	8 GB	102 GBps			N/A	3.3	10.1	4.0				✓	✓	⁶	✓	
Quadro	ULTRA- HIGH END	Quadro 6000	1	2	2560 x 1600	64x	✓	448	6 GB ³	144 GBps	515.2	1030.4	46.9	4.1	11	5.0	✓	✓	✓	✓	✓	✓	✓	
		Quadro FX 5800	2	1	2560 x 1600	32x	✓	240	4 GB	102 GBps			25.7	3.3	10.1	4.0			✓	✓	✓	✓	✓	
	HIGH-END	Quadro 5000	1	2	2560 x 1600	64x	✓	352	2.5 GB	120 GBps	359.0	718.1	40.9	4.1	11	5.0	✓	✓	✓	✓	✓	✓	✓	
		Quadro 4000	1	2	2560 x 1600	64x	✓	256	2 GB	89.6 GBps	243.2	486.4	35.3	4.1	11	5.0		✓	✓			✓		
		Quadro 4000 for Mac New!	1	1	2560 x 1600	64x ¹⁰		256	2 GB	89.6 GBps			N/A	4.1 ⁵	11	5.0		✓					✓	
		Quadro FX 4800	1	2	2560 x 1600	32x	✓	192	1.5 GB	76.8 GBps			24.6	3.3	10.1	4.0			✓	✓	✓	✓	✓	
		Quadro FX 4800 for Mac	2	-	2560 x 1600	32x ¹⁰		192	1.5 GB	76.8 GBps			N/A	3.3 ⁴	10.1	4.0							✓	✓
	MID-RANGE	Quadro FX 3800	1	2	2560 x 1600	32x	✓	192	1 GB	51.2 GBps			23.5	3.3	10.1	4.0			✓	✓			✓	
		Quadro 2000 New!	1	2	2560 x 1600	64x	✓	192	1 GB	41.6 GBps			27.68	4.1	11	5.0			✓					
		Quadro 2000D New!	2	-	2560 x 1600	64x	✓	192	1 GB	41.6 GBps			27.68	4.1	11	5.0			✓					
	ENTRY-LEVEL	Quadro FX 1800	1	2	2560 x 1600	32x	✓	64	768	38.4 GBps			18.7	3.3	10.1	4.0			✓					
		Quadro 600 New!	1	1	2560 x 1600	64x	✓	96	1 GB	25.6 GBps			17.9	4.1	11	5.0								
		Quadro 400 New!	1	1	2560x1600	16x	✓	48	512	12.3 GBps			12.9	3.3	10.1	4.0								
		Quadro FX 580	1	2	2560 x 1600	16x	✓	32	512	25.6 GBps			15.9	3.3	10.1	4.0								
		Quadro FX 380	2	-	2560 x 1600	16x	✓	16	256	22.4 GBps			9.7	3.3	10.1	4.0								
	MOBILE	17"	Quadro FX 380 LP	1	1	2560 x 1600	16x	✓	16	512	12.8 GBps			9.5	3.3	10.1	4.1							
			Quadro 5010M New!	2	2	2	64x	✓	384	4 GB	83.2GBps			2	4.1	11	5.0	✓	✓					
Quadro 5000M			2	2	2	64x	✓	320	2 GB	76.8 GBps			2	4.1	11	5.0	✓	✓						
Quadro 4000M New!			2	2	2	64x	✓	336	2 GB	80.0GBps			2	4.1	11	5.0								
Quadro FX 3800M			2	2	2	32x	✓	128	1 GB	64 GBps			2	3.3	10	4.0								
Quadro 3000M New!			2	2	2	64x	✓	240	2 GB	80.0GBps			2	4.1	11	5.0								
15"		Quadro FX 2800M	2	2	2	32x	✓	96	1 GB	64 GBps			2	3.3	10	4.0								
		Quadro 2000M New!	2	2	2	64x	✓	192	2 GB	28.8GBps			2	4.1	11	5.0								
		Quadro FX 1800M	2	2	2	16x	✓	72	1 GB	35.2 GBps			2	3.3	10.1	4.0								
14"		Quadro 1000M New!	2	2	2	64x	✓	96	2 GB	28.8GBps			2	4.1	11	5.0								
		Quadro FX 880M	2	2	2	16x	✓	48	1 GB	25.6 GBps			2	3.3	10.1	4.0								
NVS	QUAD DISPLAY	Quadro FX 380M	2	2	2	16x	✓	16	512	12.8 GBps			2	3.3	10.1	4.0								
		Quadro NVS 450	-	4	2560 x 1600	-	✓	16	512	11.2 GBps ³			3.3	10.1	4.0									
	DUAL DISPLAY	Quadro NVS 420 x16 or x1	-	4 ⁸	2560 x 1600	-	✓	16	512	11.2 GBps ³			3.3	10.1	4.0									
		NVIDIA NVS 300 x16 or x1	2 ⁷	2 ¹¹	2560 x 1600	-	✓	16	512	12.6 GBps			3.3	10.1	4.1									
		Quadro NVS 295 x16 or x1	-	2	2560 x 1600	-	✓	8	256	11.2 GBps			3.3	10.1	4.0									
		Quadro NVS 290 x16 or x1	2 ⁷	-	1920 x 1200	-	✓	16	256	6.4 GBps			3.3	10.1	4.0									

1. Relative performance score represents the geometric mean of the Viewperf 11 viewsets and is intended to provide a relative performance difference. Additional scaling may vary. SPECviewperf™ 11, for more information visit www.spec.org

2. Mobile workstation performance and display support will vary by OEM; please see www.spec.org or OEM specifications for details

3. Per GPU memory bandwidth

4. Open GL 3.1 on Mac OSX, OpenGL 3.3 on Windows using Bootcamp

5. Open GL 3.1 on Mac OSX, OpenGL 4.1 on Windows using Bootcamp

6. Capture compatible only

7. Supports dual SL-DVI/VGA through DM559 connector

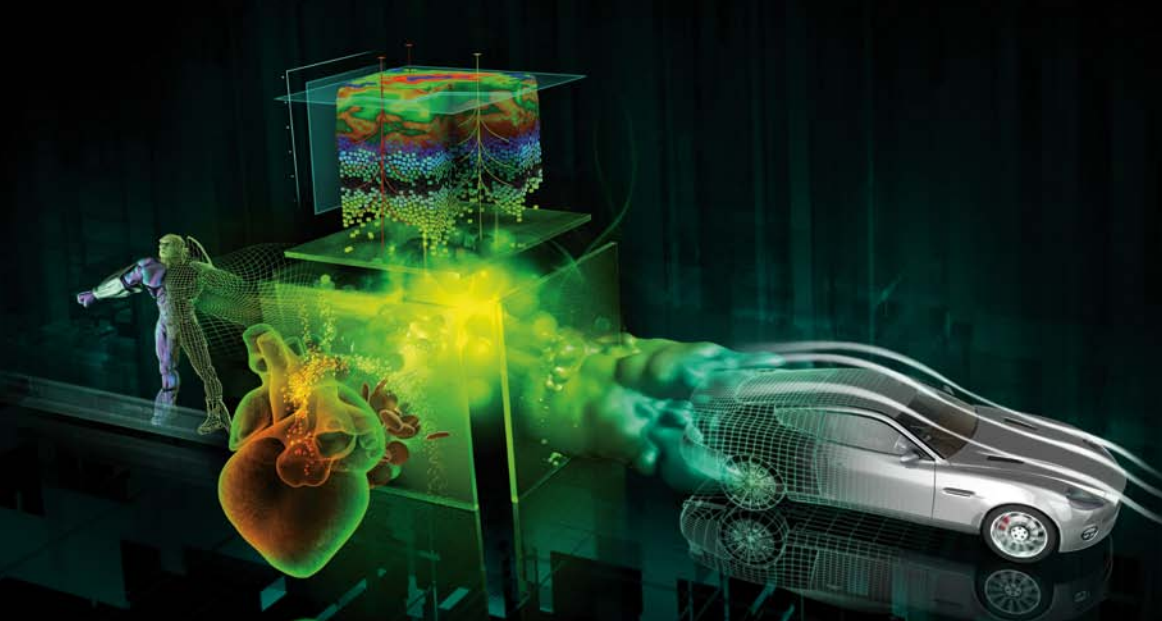
8. Supports DP/SL-DVI through VH DCI connector

9. 6 GB is supported on Windows 7, Windows XP64 and Linux64 via the Rel 270 driver. There is a 4 GB memory limit on Windows XP64 via the Rel 256 and Rel 265 drivers. (Quadro Plex 7000 includes two 6 GB Quadro GPUs.)

10. 8x on Mac OSX, up to 64x on Windows

11. Supports dual DisplayPort through DM559 connector





QUADRO^{fermi} EXPONENTIALLY BETTER

NVIDIA® Quadro® professional graphics processors offer the world's fastest application performance for editing, finishing, modeling and texturing. With the superior speed and reliability of Quadro, you can iterate faster, get more done and still make your deadline.

THE NEWEST NVIDIA® QUADRO® PROFESSIONAL GRAPHICS SOLUTIONS

Based on the innovative Fermi architecture with massive parallel processing capabilities, the newest Quadro solutions deliver up to 5x faster application performance and up to 8x faster computational simulation.



NVIDIA® QUADRO® DIGITAL VIDEO PIPELINE

The industry's only GPU-accelerated solution for real-time acquisition, processing and delivering of high-resolution SDI video across traditional and 3D broadcast environments.



NVIDIA® 3D VISION™ PRO

NVIDIA 3D Vision Pro active Stereo 3D (S3D) glasses enable you to immerse yourself as you create, edit and review S3D content. This wireless solution delivers the highest quality, full resolution imagery, and provides interference free multi-user operation at distances up to 100ft.

