



A QUANTUM LEAP IN VISUAL COMPUTING

NVIDIA Quadro®

NVIDIA Quadro® FX Graphics Boards and Visual Computing Systems Feature:

- Unified architecture¹
- Full 128-bit floating point precision pipeline
- 12-bit subpixel precision
- Support for Shader Model 3.0/4.0¹
- Support for OpenGL 2.1
- Support for DirectX9/10¹

A Quantum Leap in Visual Computing

The **NVIDIA Quadro Plex** visual computing system (VCS) is designed to interface with industry-standard workstations and servers to deliver advanced visual computing scalability and remote graphics serving for the most demanding professional applications.

Integrated Graphics-to-Video Solution

The **NVIDIA Quadro SDI** solutions² deliver uncompressed 8-, 10-, or 12¹-bit SDI enabling a direct connection to broadcast monitors, switchers, tape decks, or SDI projectors to fully integrated graphics-to-video out.

Revolutionizing Advanced Visualization

The **NVIDIA Quadro G-Sync**² delivers frame and genlock functionality to unprecedented levels of industrial realism, visualization, and collaborative capabilities.

		Model	DISPLAY					PERFORMANCE			IMAGE QUALITY	FEATURES			OPTIONS	
			Dual-Link DVI	# of Digital Outputs	# of Analog Outputs	Analog ³ and Digital	Maximum Display Resolution Digital @ 60Hz	Memory Size Total	Memory Bandwidth	Relative Performance Score ⁴	FSAA (maximum)	Shader Model	NVIDIA® SLI™ Support	C Programming Environment	SDI Version	G-Sync Version
Quadro Plex	VISUAL COMPUTING SYSTEM	Model S4 (4 x Quadro FX 5600)	N/A	N/A	N/A	N/A	N/A	6 GB	76.8 GB/sec	⁶	64x	4.0	✓	✓	N/A	N/A
		Model IV (2 x Quadro FX 5600)	4	2	2	✓	2560 x 1600	3 GB	76.8 GB/sec	⁶	64x	4.0	✓	✓		II
		Model II (4 x Quadro FX 4500)	2	2	2	✓	2560 x 1600	2 GB	33.6 GB/sec	⁶	64x	3.0	✓			I
Quadro FX	ULTRA-HIGH END	Quadro FX 5600	2	2	2	✓	2560 x 1600	1.5 GB	76.8 GB/sec	46.21	32x	4.0	✓	✓	✓	II
		Quadro FX 5500	2	2	2	✓	2560 x 1600	1 GB	33.6 GB/sec	39.01	16x	3.0	✓		✓	I
		Quadro FX 4600	2	2	2	✓	2560 x 1600	768 MB	67.2 GB/sec	42.89	32x	4.0	✓	✓	✓	II
		Quadro FX 4500 X2 (2 GPUs)	4	4	4	✓	2560 x 1600	1 GB	33.6 GB/sec	34.31	16x	3.0	✓			
		Quadro FX 3700	2	2	2	✓	2560 x 1600	512 MB	51.2 GB/sec	45.7	32x	4.0	✓	✓		
	HIGH-END	Quadro FX 3500	2	2	2	✓	2560 x 1600	256 MB	42.2 GB/sec	31.41	12x	3.0	✓			
		Quadro FX 3450	1	2	2	✓	2560 x 1600	256 MB	32.0 GB/sec	26.57	12x	3.0	✓			
	MID-RANGE	Quadro FX 1700	2	2	2	✓	2560 x 1600	512 MB	12.8 GB/sec	35.54	32x	4.0		✓		
		Quadro FX 1500	2	2	2	✓	2560 x 1600	256 MB	40.0 GB/sec	26.9	8x	3.0				
	ENTRY-LEVEL	Quadro FX 570	2	2	2	✓	2560 x 1600	256 MB	12.8 GB/sec	27.61	16x	4.0		✓		
Quadro FX 560		1	2	2	✓	2560 x 1600	128 MB	19.2 GB/sec	24.49	8x	3.0					
Quadro FX 550			2	2	✓	1920 x 1200	128 MB	12.8 GB/sec	15.72	8x	3.0					
Quadro FX 370		1	2	2	✓	2560 x 1600	256 MB	6.4 GB/sec	22.22	16x	4.0		✓			
MOBILE	Quadro FX 3500M		2	2	✓	⁵	512 MB	38.4 GB/sec	⁵	8x	3.0					
	Quadro FX 2500M		2	2	✓	⁵	512 MB	38.4 GB/sec	⁵	8x	3.0					
	Quadro FX 1600M		2	2	✓	⁵	512 MB	25.6 GB/sec	⁵	16x	4.0		✓			
	Quadro FX 1500M		2	2	✓	⁵	512 MB	38.4 GB/sec	⁵	8x	3.0					
	Quadro FX 570M		2	2	✓	⁵	256 MB	22.4 GB/sec	⁵	16x	4.0		✓			
	Quadro FX 360M		2	2	✓	⁵	256 MB	9.6 GB/sec	⁵	8x	4.0		✓			
Quadro NVS	QUAD DISPLAY	Quadro NVS 440 x16 or x1		4	4	✓	1920 x 1200	256 MB	8 GB/sec							
		Quadro NVS 290 x16 or x1		2	2	✓	1920 x 1200	256 MB	6.4 GB/sec							
	DUAL DISPLAY	Quadro NVS 285 x16 or x1		2	2	✓	1920 x 1200	128 MB	4.8 GB/sec							
		Quadro NVS 280 PCI		2	2	✓	1280 x 1024	64 MB	3.2 GB/sec							
MOBILE	Quadro NVS Mobile GPUs are available in many business notebooks. For product details please visit, http://www.nvidia.com/object/quadro_nvs_notebook.html															

1 Available only on Quadro FX 5600, FX 4600, FX 3700, FX 1700, FX 570, FX 370, NVS 290, Quadro Plex Model IV, and S4

2 Stand alone option card available for Quadro FX 5600, 5500, 4600 graphics boards only

3 Maximum Display Resolutions: Analog VGA- 2048 x 1536 @ 60Hz

4 Relative performance score represents the geometric mean of the viewperf viewsets and is intended to provide a relative performance difference. Application scaling may vary. SPECviewer[®] 10 for more information visit www.spec.org.

5 Mobile Workstation performance and display support will vary by OEM; please see www.spec.org for details.

6 Quadro Plex VCS performance and display support will vary by application. Please see www.spec.org for details.

Which NVIDIA GPU solution is best for my environment?



High Performance Computing (HPC) Applications



Consumer/Entertainment Applications

Professional Applications & Solutions

PROFESSIONAL BUSINESS APPLICATIONS
Display and Analytics

QUADRO NVS
The Standard for Business Graphics.



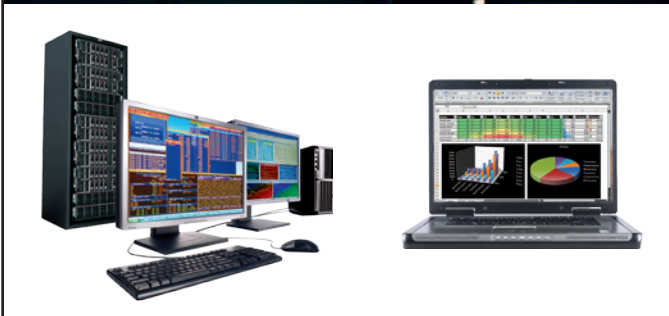
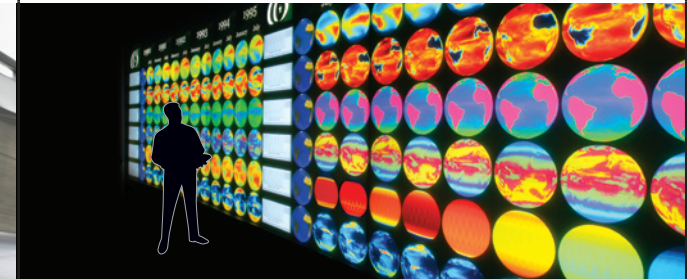
PROFESSIONAL 3D APPLICATIONS
Design, Creation, Visualization

QUADRO FX
The Definition of Performance. The Standard for Quality.



PROFESSIONAL INDUSTRY SOLUTIONS
HD, Broadcast, Large Scale Visualization

QUADRO PLEX, SDI & G-SYNC
Architected for Industry Specific Solutions.



For more information on NVIDIA and NVIDIA Quadro products, visit www.nvidia.com

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