

NVIDIA Quadro Professional Solutions for PCI Express

NVIDIA Quadro® Professional Solutions				PRECISION			PERFORMANCE¹				FEATURES				OUTPUT OPTIONS				REPLACES		CERTIFIED QUALITY
				COLOR	SUBPIXEL	FSAA (MAXIMUM)	ugs-04	proe-03	sw-01	3dsmax-03	NVIDIA® SLI™ TECHNOLOGY	SHADER MODEL 3.0	OPENGL 2.0	DIRECTX 9.0c	DUAL-LINK DVI	DUAL-DIGITAL	DUAL-ANALOG	ANALOG AND DIGITAL	COMPETITIVE GRAPHICS	NVIDIA QUADRO ADVANTAGE	PROFESSIONAL CERTIFICATIONS
ULTRA-HIGH-END	NVIDIA Quadro FX 5500	PCI Express x16	1GB	256-bit	128-bit	16x	71.8	79.5	51.5	45.0	✓	✓	✓	✓	2	✓	✓	✓	FGL V7350	Superior performance features, programmability, precision and industry's broadest application certification and support including SLI, SDI, Framework and Genlock.	CAD AutoCAD® AutoStudio® CATIA® Inventor™ Microstation™ Pro/ENGINEER™ Showcase® Solid Edge® SolidWorks StudioTools™ Unigraphics®
	NVIDIA Quadro FX 4500 X2	PCI Express x16	512MB per GPU	256-bit	128-bit	16x	115.7	71.6	50.3	53.9	✓	✓	✓	✓	4	✓	✓	✓			
	NVIDIA Quadro FX 4500	PCI Express x16	512MB	256-bit	128-bit	16x	55.5	70.4	43.9	44.5	✓	✓	✓	✓	2	✓	✓	✓	FGL V7300		
HIGH-END	NVIDIA Quadro FX 3500	PCI Express x16	256MB	256-bit	128-bit	12x	54.8	71.2	42.0	44.1	✓	✓	✓	✓	2	✓	✓	✓	FGL V7100		
	NVIDIA Quadro FX 3450	PCI Express x16	256MB	256-bit	128-bit	12x	38.4	60.4	34.6	41.6	✓	✓	✓	✓	1	✓	✓	✓	FGL V7100		
MID-RANGE	NVIDIA Quadro FX 1500	PCI Express x16	256MB	256-bit	128-bit	8x	40.4	62.4	34.3	42.0		✓	✓	✓	2	✓	✓	✓	FGL V5100		
	NVIDIA Quadro FX 1400	PCI Express x16	128MB	256-bit	128-bit	8x	30.7	49.7	30.1	39.2	✓	✓	✓	✓		✓	✓	✓	FGL V5100/V5000		
ENTRY-LEVEL	NVIDIA Quadro FX 560	PCI Express x16	128MB	128-bit	128-bit	4x	34.1	55.6	31.4	39.2		✓	✓	✓	1	✓	✓	✓	FGL V3200		
	NVIDIA Quadro FX 550	PCI Express x16	128MB	128-bit	128-bit	4x	19.1	39.1	22.7	32.8		✓	✓	✓		✓	✓	✓	FGL V3200		
	NVIDIA Quadro FX 540	PCI Express x16	128MB	128-bit	128-bit	4x	15.8	33.1	19.6	28.6		✓	✓	✓			✓	✓	FGL V3200/V3100		
	NVIDIA Quadro FX 350	PCI Express x16	128MB	64-bit	128-bit	4x	14.6	35.0	20.6	26.5		✓	✓	✓			✓	✓	FGL V3100		
MOBILE	NVIDIA Quadro FX 2500M	PCI Express x16	512MB	256-bit	128-bit	8x	58.0	70.3	42.3	47.9		✓	✓	✓		✓	✓	✓	FGL Mobility		
	NVIDIA Quadro FX 1500M	PCI Express x16	256MB	256-bit	128-bit	8x	40.4	57.9	31.2	43.6		✓	✓	✓		✓	✓	✓	FGL Mobility		
	NVIDIA Quadro FX 350M	PCI Express x16	256MB	64-bit	128-bit	4x	11.8	11.8	16.3	22.8		✓	✓	✓		✓	✓	✓	FGL Mobility		
SPECIALTY	NVIDIA Quadro FX 5500 SDI	PCI Express x16	1GB	256-bit	128-bit	16x	71.8	79.5	51.5	45.0		✓	✓	✓	1			✓²	Scan converters, proprietary graphics to video output, and SDI output boards		
	NVIDIA Quadro FX 4500 SDI	PCI Express x16	512MB	256-bit	128-bit	16x	55.5	70.4	43.9	44.5		✓	✓	✓	1			✓²			
NVIDIA Quadro G-Sync³		Genlock / Framelock option board for NVIDIA Quadro FX 5500, 4500 X2, and 4500																	Realizm Multiview		



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1 SPECviewperf® 8.1: for more information, please visit www.spec.org. (Tested on 3.6 GHz Pentium® 4, 2GB RAM, Driver Release 84.26. Source: NVIDIA® Performance Labs.)

2 NVIDIA Quadro FX 5500 SDI/4500 SDI provides one DVI connector and 2 SDI (fill/key) output connectors.

3 NVIDIA Quadro G-Sync is available as a separate option card for NVIDIA Quadro FX 5500, 4500 X2, and 4500. Additional information available at http://www.nvidia.com/page/quadrofx_gsync.html

DO YOU RUN A PROFESSIONAL APPLICATION?

YES



NO



NVIDIA Quadro FX

NVIDIA offers a complete line of NVIDIA® GeForce® consumer graphics GPUs

Certified for CAD, DCC, and visualization applications such as:

Mechanical Computer-Aided Design (MCAD)

- Autodesk AutoCAD and Inventor
- Dassault CATIA and SolidWorks
- PTC Pro/ENGINEER
- UGS Unigraphics and SDRC ...and many more

Digital Content Creation (DCC)

- Alias Maya
- Autodesk 3ds Max
- NewTek Lightwave
- Side Effects Houdini
- Softimage | XSI ...and many more

Video Applications

- Adobe Premiere and After Effects
- Avid Xpress
- Autodesk Combustion
- Macromedia Suite
- Pinnacle Studio and Liquid Edition ...and many more

Energy

- Schlumberger
- Paradigm GEO
- Landmark ...and many more

NVIDIA Quadro NVS

Designed for business applications such as:

Financial Applications

- Bloomberg
- Reuters
- Tradestation
- ...and many more

Corporate Applications

- Microsoft Office Suite
- Hummingbird Exceed
- Lotus Notes
- McAfee Virus Scan
- pcAnywhere ...and many more

ECAD

- Synopsys
- Cadence
- Mentor Graphics
- ...and many more

The Definition of Performance. The Standard for Quality.

- High performance workstation architecture
- Certified for OpenGL® and DirectX® workstation applications
- NVIDIA® nView™ multi-display technology

The Standard for Corporate Graphics.

- NVIDIA® nView display technology: advanced system administration solution
- Guaranteed compatibility for business applications
- Industry's best image quality and display flexibility

High-End

FX 5500/4500 X2/
4500/3500/3450

Ultimate workstation performance and features

Mid-Range

FX 1500/1400

Aggressive blend of price, performance, and features

Entry-Level

FX 560/550/540/350

Fastest entry-level workstation graphics performance

Mobile

FX 2500M/1500M/350M

Professional workstation graphics to go

Specialty

FX 5500 SDI/4500 SDI/
G-Sync

Architected for industry-specific requirements

Quad-Display

NVS 440



Dual-Display

NVS 285/280



Mobile

NVS 120M/110M



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