



NVIDIA® Quadro® 2000 by PNY Technologies®

Part #: VCQ2000-PB

Fermi-based professional graphics board maximizes productivity for engineers and designers.

Delivering the industry's best-in-class performance across leading CAD and DCC applications, the NVIDIA Quadro 2000 by PNY mid-range professional graphics solution features Scalable Geometry Engine™ technology and 1GB of memory for fast processing of complex models and scenes.

With Quadro solutions your work flows – design, iterate and deliver higher quality results in less time.

Package includes:

- NVIDIA Quadro 2000 by PNY professional graphics board
- DVI to VGA adapter
- DisplayPort to DVI adapter
- Driver CD (Windows 7, Vista, XP) with PDF documentation
- Printed Quick Install Guide

PNY Advantage:

- 3 year warranty
- Support for NVIDIA Quadro by PNY in all system brands
- Pre-and post sales assistance
- Toll-free professional technical support
- Dedicated Field Application Engineers

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver CD and documentation to ensure a quick and successful install.

Product Specifications:

GPU Memory	1 GB GDDR5
Memory Interface	128-bit
Memory Bandwidth	41.6 GB/sec
CUDA Parallel Processing Cores	192
Maximum Power Consumption	62 W
Physical Dimensions	4.376" (H) x 7.0" (L)
Display Connectors	DVI-DL (1), DP (2)
Number of Displays Supported	2
DP	Yes
DVI	Yes
VGA	Yes
Graphics Bus	PCI Express 2.0 x16
Thermal Solution	Active
Maximum Digital Resolution	2560 x 1600 @ 60Hz
APIs	DirectX 11, OpenGL 4.1 and Shader Model 5
Support for	Microsoft Windows 7, Vista or XP (64-bit and 32-bit) Linux® (64-bit and 32-bit) Solaris®
Warranty	3 Year Warranty
PNY Part Number	VCQ2000-PB



For more information visit: www.pny.com/quadro



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NVIDIA® Quadro® by PNY

Professional Solutions. Professional Support.

	Part No.	GPU Memory	Memory Interface	CUDA Cores	Dimensions	Power & Thermal	Display Connectors	Max. Displays	HD-SDI Versions ⁵	G-Sync Versions ⁶	ECC	High Performance Double Precision
QUADRO ULTRA HIGH END												
Quadro 6000	NEW!	VQ6000-PB	384-bit	448	FH ¹ x 9.75"	225W - Active	DVI DL, DP (2) ²	2	✓	✓	✓	✓
Quadro FX 5800		VQFX5800-PCIE-PB	512-bit	240	FH x 10.5"	189W - Active	DVI DL (2), DP	2	✓	✓		
Quadro 5000	NEW!	VQ5000-PB	320-bit	352	FH x 9.75"	152W - Active	DVI DL, DP (2)	2	✓	✓	✓	✓
Quadro FX 4800		VQFX4800-PCIE-PB	384-bit	192	FH x 10.5"	146W - Active	DVI DL, DP (2)	2	✓	✓		
QUADRO FX FOR MAC												
Quadro FX 4800 for MAC		VQFX4800MACX16-PB	384-bit	192	FH x 10.5"	150W - Active	DVI DL (2)	2				
QUADRO FX HIGH END												
Quadro 4000	NEW!	VQ4000-PB	256-bit	256	FH x 9.5"	142W - Active	DVI DL, DP (2)	2	✓			✓
Quadro FX 3800		VQFX3800-PCIE-PB	256-bit	192	FH x 7.8"	107W - Active	DVI DL, DP (2)	2	✓			
QUADRO FX MID RANGE												
Quadro FX 1800		VQFX1800-PCIE-PB	192-bit	64	FH x 7.8"	59W - Active	DVI DL, DP (2)	2				
QUADRO FX ENTRY LEVEL												
Quadro FX 580		VQFX580-PCIE-PB	128-bit	32	FH x 6.60"	40W - Active	DVI DL, DP (2)	2				
Quadro FX 380		VQFX380-PCIE-PB	128-bit	16	FH x 6.60"	34W - Active	DVI DL (2)	2				
Quadro FX 380 LP		VQFX380LP-PCIE-PB	64-bit	16	LP ³ x 6.60"	28W - Active	DVI DL, DP	2				
Quadro FX 370 LP		VQFX370LP-PCIE-PB	64-bit	8	LP ³ x 6.60"	25W - Passive	DMS-59	2				
QUADRO NVS DUAL MONITOR												
Quadro NVS 290 X16		VQ290NVS-PCIEX16-PB	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2				
Quadro NVS 290 X1		VQ290NVS-PCIEX1-PB	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2				
Quadro NVS 295 X16 for DisplayPort		VQ295NVS-X16-DVI-PB	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2				
Quadro NVS 295 X16 for DVI		VQ295NVS-X16-DVI-PB	64-bit	8	LP ³ x 6.60"	23W - Passive	DP to DVI (2)	2				
Quadro NVS 295 X1 for DisplayPort		VQ295NVS-X1-PB	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2				
Quadro NVS 295 X1 for DVI		VQ295NVS-X1-DVI-PB	64-bit	8	LP ³ x 6.60"	23W - Passive	DP to DVI (2)	2				
QUADRO NVS QUAD MONITOR												
Quadro NVS 420 x16 for DisplayPort		VQ420NVS-X16-DP-PB	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x16 for DVI		VQ420NVS-X16-DVI-PB	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x1 for DisplayPort		VQ420NVS-X1-DP-PB	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x1 for DVI		VQ420NVS-X1-DVI-PB	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 450 x16 for DisplayPort		VQ450NVS-X16-PB	128-bit	16	FH x 6.60"	35W - Passive	DP (4)	4				
Quadro NVS 450 x16 for DVI		VQ450NVS-X16-DVI-PB	128-bit	16	FH x 6.60"	35W - Passive	DP to DVI (4)	4				

¹ FH = Full Height ATX, 4.376"

² DP = DisplayPort, NVIDIA certified DP to VGA adapters are available from PNY

³ LP = Low Profile, 2.731". Full Height bracket also supplied

⁴ 512MB total frame buffer (256MB GDDR3 memory per GPU)

⁵ NVIDIA Quadro by PNY models available as HD SDI versions

⁶ NVIDIA Quadro by PNY models available as G-Sync versions

