



NVIDIA® Quadro® 4000 for Mac

Part #: VCQ4000MAC-PB

NVIDIA Quadro 4000 for Mac - Do More, Faster

If you're an artist, designer, or video professional with an Apple Mac Pro, you can accelerate your entire workflow with the NVIDIA Quadro 4000 for Mac professional graphics solution. Delivering excellent graphics performance across a broad range of design, animation and video applications, Quadro 4000 for Mac allows you to do more, faster.

In addition to the latest Mac OS X-based applications, Boot Camp delivers full Quadro benefits and acceleration when running professional Windows applications.

Package includes:

- Quadro 4000 for Mac professional graphics board
- DisplayPort to DVI adapter
- DisplayPort to Mini DisplayPort adapter
- DVI to VGA adapter
- Auxiliary power connector cable
- Software Installation CD

PNY Advantage:

- 3 year warranty
- 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:

Memory	2 GB GDDR5
Memory Interface	256-bit
Memory Bandwidth	89.6 GB/sec
CUDA Parallel Processing Cores	256
High Performance Double Precision	Yes
Maximum Power Consumption	142 W
Physical Dimensions	4.376" (H) x 9.5" (L)
Display Connectors	DVI-DL, DP, Stereo
Number of Displays Supported	2
DP	Yes
DVI	Yes
VGA	Yes
Graphics Bus	PCI Express 2.0 x16
Thermal Solution	Active
3D Vision Pro	Support via 3-pin mini DIN
Maximum Digital Resolution	2560 x 1600 @ 60Hz
APIs	OpenGL (Mac and Windows) DirectX 11 (Windows), CUDA and OpenCL, DirectCompute (Windows)
Warranty	3 Year Warranty
PNY Part Number	VCQ4000MAC-PB



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



NVIDIA® Quadro® by PNY

Professional Solutions. Professional Support.

	Part No.	GPU Memory	Memory Interface	CUDA Cores	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!	VCQ6000-PB	6GB GDDR5	384-bit	448	FH ¹ x 9.75"	204W - Active	DVI DL, DP (2) ²	2	✓	✓
Quadro FX 5800		VCQFX5800-PCIE-PB	4GB GDDR3	512-bit	240	FH x 10.5"	189W - Active	DVI DL (2), DP	2	✓	
Quadro 5000	NEW!	VCQ5000-PB	2.5GB GDDR5	320-bit	352	FH x 9.75"	152W - Active	DVI DL, DP (2)	2	✓	✓
Quadro FX 4800		VCQFX4800-PCIE-PB	1.5GB GDDR3	384-bit	192	FH x 10.5"	146W - Active	DVI DL, DP (2)	2	✓	
QUADRO FX FOR MAC											
Quadro 4000 for Mac	NEW!	VCQ4000MAC-PB	2GB GDDR5	256-bit	256	FH x 9.5"	142W - Active	DVI DL, DP	2		✓
Quadro FX 4800 for MAC		VCQFX4800MACX16-PB	1.5GB GDDR3	384-bit	192	FH x 10.5"	150W - Active	DVI DL (2)	2		
QUADRO FX HIGH END											
Quadro 4000	NEW!	VCQ4000-PB	2GB GDDR5	256-bit	256	FH x 9.5"	142W - Active	DVI DL, DP (2)	2	✓	✓
Quadro FX 3800		VCQFX3800-PCIE-PB	1GB GDDR3	256-bit	192	FH x 7.8"	107W - Active	DVI DL, DP (2)	2	✓	
QUADRO FX MID RANGE											
Quadro 2000	NEW!	VCQ2000-PB	1GB GDDR5	128-bit	192	FH x 7.0"	62W - Active	DVI DL, DP (2)	2		
Quadro FX 1800		VCQFX1800-PCIE-PB	768MB GDDR3	192-bit	64	FH x 7.8"	59W - Active	DVI DL, DP (2)	2		
QUADRO FX ENTRY LEVEL											
Quadro 600	NEW!	VCQ600-PB	1GB GDDR3	128-bit	96	LP ³ x 6.60"	40W - Active	DVI DL, DP	2		
Quadro FX 580		VCQFX580-PCIE-PB	512MB GDDR3	128-bit	32	FH x 6.60"	40W - Active	DVI DL, DP (2)	2		
Quadro FX 380		VCQFX380-PCIE-PB	256MB GDDR3	128-bit	16	FH x 6.60"	34W - Active	DVI DL (2)	2		
Quadro FX 380 LP		VCQFX380LP-PCIE-PB	512MB GDDR3	64-bit	16	LP ³ x 6.60"	28W - Active	DVI DL, DP	2		
Quadro FX 370 LP		VCQFX370LP-PCIE-PB	256MB GDDR2	64-bit	8	LP ³ x 6.60"	25W - Passive	DMS-59	2		
QUADRO NVS DUAL MONITOR											
Quadro NVS 290 X16		VCQ290NVS-PCIEX16-PB	256MB GDDR2	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2		
Quadro NVS 290 X1		VCQ290NVS-PCIEX1-PB	256MB GDDR2	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2		
Quadro NVS 295 X16 for DisplayPort		VCQ295NVS-X16-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2		
Quadro NVS 295 X16 for DVI		VCQ295NVS-X16-DVI-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP to DVI (2)	2		
Quadro NVS 295 X1 for DisplayPort		VCQ295NVS-X1-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2		
Quadro NVS 295 X1 for DVI		VCQ295NVS-X1-DVI-PB	256MB GDDR3	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		VCQ420NVS-X16-DP-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4		
Quadro NVS 420 x16 for DVI		VCQ420NVS-X16-DVI-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4		
Quadro NVS 420 x1 for DisplayPort		VCQ420NVS-X1-DP-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4		
Quadro NVS 420 x1 for DVI		VCQ420NVS-X1-DVI-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4		
Quadro NVS 450 x16 for DisplayPort		VCQ450NVS-X16-PB	512MB GDDR3 ⁴	128-bit	16	FH x 6.60"	35W - Passive	DP (4)	4		
Quadro NVS 450 x16 for DVI		VCQ450NVS-X16-DVI-PB	512MB GDDR3 ⁴	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

