

CREATE MASSIVE ARTIFACT FREE
VISUAL DISPLAY SOLUTIONS

NVIDIA® QUADRO® SYNC II

Essential Professional Graphics For Maximum Productivity

Display resolutions are increasing, with 4K displays becoming common and the increasing availability of 5K and beyond displays. Massive visualization displays in design centers, entertainment, retail, and sporting events are pushing the boundaries of display technologies. On-air broadcasts incorporating graphics, video, and virtual sets are becoming the norm. The mixing of graphics and video, often across many display devices, is becoming part of the creative process.

The NVIDIA Quadro Sync II card provides the solution for these advanced synchronized display requirements. The Quadro Sync II card can synchronize up to 4 Pascal GPUs per card for 16 synchronized displays per Sync II card, and with 2 Sync II cards per system, up to 8¹ Pascal GPUs per chassis for a total of 32 synchronized displays per system. The NVIDIA Quadro Sync II card combined with Quadro Pascal-based GPU graphics is the solution for professional synchronized display deployments.

THE PNY ADVANTAGE

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 software installation disc and documentation to ensure a quick and successful install.

FEATURES

- > 2x RJ-45 Frame Lock connectors
- > BNC Genlock connector
- > Status indicator LEDs
- > 4 sync edge connectors
- > Supports up to 8¹ Quadro GPUs
- > Projector Overlap
- > Stereoscopic 3D Support
- > PCIe or SATA Power
- > Secure cable

PACKAGE CONTENT

- > NVIDIA® Quadro® SYNC II Board
- > Printed Quick Start Guide
- > Four 30,5 cm connect cables
- > Two 61 cm connect cables

WARRANTY AND SUPPORT

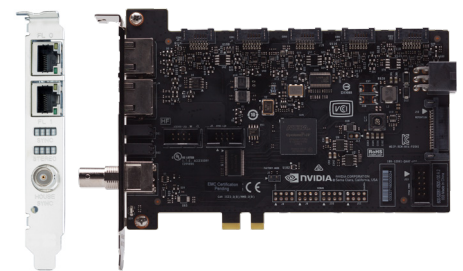
- > 3-Year Warranty
- > Pre- and Post-Sales Technical Support
- > Dedicated Field Application Engineers
- > Direct Tech Support Hot Lines

COMPATIBLE CARDS

- > Quadro GP100
- > Quadro P6000
- > Quadro P5000
- > Quadro P4000

PNY PART NUMBERS

- > VCQPQUADROSYNC2-PB
- > VCQP6000SYNC-PB
- > VCQP5000SYNC-PB
- > VCQP4000SYNC-PB



BENEFITS

- > The ability to synchronize the display outputs from 4 Quadro GPUs for a total of 16 synchronized displays per Sync II cards
- > Two Sync II cards per chassis can provide up to 32 synchronized displays per chassis.
- > Sync II cards can be connected to Sync II cards in another chassis to synchronize displays between systems in visualization clusters.
- > Sync II cards can be connected to an external timing signal, synchronizing the output of the GPUs connected to the Sync II card to the external timing.
- > Mosaic technology enables up to 16 displays or projectors per systems or per cluster to act like a single large virtual display. The Sync II card can synchronize the 16 displays for Mosaic to provide artifact free images across all 16 displays.
- > Create multi-display stereoscopic visualization clusters
- > Seamlessly blend multi projector solutions with no visual artifacts
- > Support up to two Mosaics. Two Quadro Sync II connected together with the 2 x 7 header can support one to four Mosaics.

¹ Quadro Sync II 32 display support requires a future software update, estimated October 2017. Quadro Sync II cards currently support up to 16 displays.

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**UNMATCHED POWER.
UNMATCHED CREATIVE
FREEDOM.
NVIDIA® QUADRO® P6000**

The World's Most Powerful Workstation Graphics Card.

The NVIDIA Quadro P6000 is the world's most advanced professional graphics solution ever created, combining the latest GPU, memory and display technologies that result in unprecedented performance and breakthrough capabilities. Professionals across of range of industries can now create their most complex designs, solve the most challenging visualization problems and experience their creations within the most detailed, life-like VR environments.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists. This gives you the peace of mind to focus on doing your best work. Whether you're developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

THE PNY ADVANTAGE

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

To learn more about the NVIDIA Quadro P6000 visit www.pny.eu/quadro

FEATURES

- > Four DisplayPort 1.4 Connectors
- > DisplayPort with Audio
- > VGA Support¹
- > 3D Stereo Support with Stereo Connector¹
- > NVIDIA GPUDirect™ Support
- > Quadro Sync II² Compatibility
- > NVIDIA nView® Desktop Management Software
- > HDCP 2.2 Support
- > NVIDIA Mosaic³

PACKAGE CONTENTS

- > NVIDIA Quadro P6000 Professional Graphics Board
- > Software Installation Disc
- > Printed Quick Start Guide
- > 8-Pin Auxiliary Power Cable
- > Stereo Connector Bracket
- > Three DisplayPort to DVI-D SL Adapters
- > DVI to VGA Adapter

WARRANTY AND SUPPORT

- > 3-Year Warranty
- > Optional Extended Warranty up to 5 Years
- > Pre- and Post-Sales Technical Support
- > Dedicated Field Application Engineers
- > Direct Tech Support Hot Lines



PNY PART NUMBER VCQP6000-PB

SPECIFICATIONS

GPU Memory	24GB GDDR5X
Memory Interface	384-bit
Memory Bandwidth	Up to 432 GB/s
NVIDIA CUDA® Cores	3840
System Interface	PCI Express 3.0 x16
Max Power Consumption	250 W
Thermal Solution	Active
Form Factor	112 mm H x 267 mm L, Dual Slot, Full Height
Display Connectors	4x DP 1.4 + DVI-D DL
Max Simultaneous Displays	4 direct, 4 DP1.4 Multi-Stream
Max DP 1.4 Resolution	7680 x 4320 @ 30 Hz
Max DVI-D DL Resolution	2560 x 1600 @ 60 Hz
Graphics APIs	Shader Model 5.1, OpenGL 4.5⁴, DirectX 12.0⁵, Vulkan 1.0⁴
Compute APIs	CUDA, DirectCompute, OpenCL™

To find the right NVIDIA Quadro card for your needs visit pny.quadro-selector.com

¹ Via adapter/connector/bracket | ² Quadro Sync II card sold separately | ³ Windows 7, 8, 8.1, 10 and Linux | ⁴ Product is based on a published Khronos Specification, and is expected to pass the Khronos Conformance Testing Process when available. Current conformance status can be found at www.khronos.org/conformance | ⁵ GPU supports DX 12.0 API, Hardware Feature Level 12_1

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