

NVIDIA QUADRO  
AUTHORIZED PARTNER

PNY®



## NVIDIA® Quadro® K6000 Sync

## VCQK6000SYNC-PB

### ULTIMATE GRAPHICS PERFORMANCE FOR ULTRA HIGH RESOLUTION DISPLAYS AND VISUALIZATION CLUSTERS

Offering 12GB of GDDR5 graphics memory, 2880 NVIDIA CUDA® parallel processing cores, and built on the latest NVIDIA Kepler™ architecture, the NVIDIA Quadro K6000 Sync delivers Frame Lock, Genlock, and unmatched programmable graphics capabilities to industrial, visualization, and collaborative applications. This turnkey professional visualization solution drives twice the number of synchronized displays than prior generation offerings, increasing GPU density while decreasing overall system complexity.

The included NVIDIA Quadro Sync board can synchronize up to four Quadro K6000 GPUs and up to 16 displays or projectors per system. NVIDIA Mosaic Premium technology allows any application to transparently scale across multiple displays or projectors. Features like projector overlap and integrated geometry and intensity adjustments deliver pixel-accurate display surfaces. Aligning inputs for multi-input display devices like 4K projectors or panels, stereoscopic 3D displays across multiple screens or systems, and the ability to sync multiple displays to an external timing source are also supported.

### PACKAGE INCLUDES

- NVIDIA Quadro K6000 professional graphics board

- Stereo connector bracket
- Two DisplayPort to DVI-D SL adapters
- DVI to VGA adapter
- 6-pin auxiliary power cable
- Software installation and documentation disc for Windows
- NVIDIA Quadro Sync board
- Four ribbon connector cables
- Cable retention clips
- Printed K6000 and Quadro Sync QuickStart Guide

### PNY ADVANTAGE

- 3 year warranty
- Support for NVIDIA Quadro in any system brand
- 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 and delivers a complete solution including the appropriate adapters, cables, brackets, software installation disc, and PDF and printed documentation to ensure a quick and successful installation process.



For more information visit  
[www.pny.com/quadro](http://www.pny.com/quadro)

### PRODUCT SPECIFICATIONS

CUDA Cores	2880
GPU Memory	12GB GDDR5
Memory Interface	384-bit
Memory Bandwidth	288GB/s
K6000 System Interface	PCI Express 3.0 x16
Quadro Sync System Interface	Any available slot
K6000 Maximum Power	225W
Quadro Sync Maximum Power	12W
Energy Star Enabling	Yes
K6000 Thermal Solution	Ultra-quiet active fansink
Quadro Sync Thermal Solution	Passive
K6000 Dimensions	4.376" H x 10.50" L, dual slot
Quadro Sync Dimensions	6.15" H x 4.37" L, single slot
K6000 Display Connectors	DVI-DL (2) + DP 1.2 (2) + Stereo
DisplayPort 1.2	Yes
DisplayPort with Audio	Yes
DVI-D SL Connectors	Yes, via included adapters
VGA Connector	Yes, via included adapter
Number of Displays Supported	4
Quadro Sync Connectors	4 GPU (edge) + 2 RJ45 + BNC
Maximum DP 1.2 Resolution	4096 x 2160 at 60Hz
Maximum DVI-DL Resolution	2560 x 1600 at 60Hz
Maximum DVI-SL Resolution	1920 x 1200 at 60Hz
Maximum VGA Resolution	2048 x 1536 at 85Hz
HDCP Support	Yes
Professional 3D Support	Yes, via included stereo connector bracket
Graphics APIs	Shader Model 5.0, OpenGL 4.3, DirectX 11
Compute APIs	CUDA, DirectCompute, OpenCL
NVIDIA 3D Vision and 3D Vision Pro	Yes
PNY Part Number	VCQK6000SYNC-PB

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