

# UNMATCHED POWER. UNMATCHED CREATIVE FREEDOM. NVIDIA<sup>®</sup> QUADRO<sup>®</sup> P1000

# Full Professional Performance and Features in a Small Form Factor.

The Quadro P1000 combines a 640 CUDA core Pascal GPU, 4 GB GDDR5 on-board memory and advanced display technologies in a low-profile form factor to deliver amazing graphics performance for demanding professional applications. Support for four 4K displays (4096x2160 @ 60Hz) with HDR color gives you an expansive visual workspace to see your ideas come to life in stunning detail.

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.

#### FEATURES

- Four DisplayPort 1.4
  Connectors<sup>1</sup>
- > DisplayPort with Audio
  > NVIDIA nView<sup>®</sup> Desktop Management Software
- HDCP 2.2 Support
- > NVIDIA Mosaic<sup>2</sup>
- NVIDIA Iray and MentalRay Support

## PACKAGE CONTENTS

- > NVIDIA<sup>®</sup> Quadro<sup>®</sup> P1000
- Professional Graphics BoardUnattached Low-Profile
- (SFF) Bracket > Attached Full-Height (ATX)
- Bracket
- > Software Installation Disc
- > Printed Quick Start Guide
- Four mDP to DP AdaptersOne mDP to DVI SL Adapter

#### WARRANTY AND SUPPORT

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



SPECIFICATIONSGPU Memory4 GB GDDR5Memory Interface128-bitMemory BandwidthUp to 82 GB/sNVIDIA CUDA® Cores640System InterfacePCI Express 3.0 x16Max Power Consumption47 WThermal SolutionActiveForm Factor2.713" H x 5.7" L, Single Slot, Low ProfileDisplay Connectors4x mDP 1.4Max Simultaneous4 direct, 4 DP 1.4 Multi-StreamDisplay Resolution4x 4096x2160 @ 60Hz 4x 5120x2880 @ 60HzGraphics APIsShader Model 5.1, OpenGL 4.53, DirectX 12.04, Yulkan 1.03Compute APIsCUDA, DirectCompute, OpenCL™	PNY PART NUMBER	VCQP1000-PB
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Compute APIs CUDA, DirectCompute,	Display Resolution	
	Graphics APIs	OpenGL 4.5 <sup>3</sup> , DirectX 12.0 <sup>4</sup> ,
	Compute APIs	

<sup>1</sup> VGA/DVI/HDMI support via adapter/connector/bracket | <sup>2</sup> Windows 7, 8, 8.1 and Linux | <sup>3</sup> 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 | <sup>4</sup> GPU supports DX 12.0 API, Hardware Feature Level 12\_1

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