

Quadro-E PEG P1000

PCI Express Graphic Card with NVIDIA® Quadro® Embedded P1000

Features

- Mini DisplayPort 1.4 x4
- DisplayPort with audio
- NVIDIA nView® Desktop Management Software
- HDCP 2.2 support
- NVIDIA Mosaic
- Dedicated hardware video encode and decode engines
- 3 (+5)†years



Introduction

Quadro-E PEG P1000 combines a 640 CUDA core Pascal GPU, 4GB GDDR5 onboard memory, and advanced display technologies in a low-profile form factor to deliver the graphics performance demanded in professional application. Support for four 4K displays (4096x2160 @ 60Hz) with HDR color provides an expansive visual workspace with maximum detail.

Ordering Information

- **Quadro-E PEG P1000**
 NVIDIA® Quadro® Embedded P1000, PCIe x16 Gen3, 4x mDP 1.4, 2.713" H x 5.7" L, single slot, low profile
 * The product is recommended to use with MXC-6400, MVP-6010, MVP-6020 and MVP-6000.
 † Special conditions apply.

Specifications

	Quadro-E PEG P1000
Graphic Core	
Graphic Architecture	NVIDIA® Pascal™ GP107
GPU	Quadro® P1000
Display Outputs	4x mDP 1.4, 4096x2160 @ 60Hz / 5120x2880 @ 60Hz HDCP 2.2 support
Signal Interface	* VGA/DVI/HDMI support via adapter/connector/bracket PCI Express Gen3 x16 support
GPGPU Computing	
CUDA Supports	640 CUDA cores, 1.89 TFLOPS peak FP32 performance
Memory	GDDR5 4GB memory, memory width: 128-bit, bandwidth: 80 GB/s
SW	
OS Support	Windows 7/10 & Linux Drivers, 64-bit
Graphic API	DirectX® 12, OpenGL 4.5, Vulkan 1.0 Shader Model 5.1
Compute API	CUDA Toolkit 8.0, CUDA Compute version 6.1 OpenCL™ 1.2, Direct Compute
NVIDIA technology	NVIDIA® Mosaic Technology/NVIDIA® nView® Display Management Technology
Environmental	
Operating Temp.	0 to 55 °C
Storage Temp.	-40 °C to 75 °C
Operating RH	5% to 90%
Storage RH	5% to 95%
Module Power Consumption	47W
Mechanicals	
Dimensions	2.713" × 5.7", single slot
Weight	129g

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