

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 |