

PCI Express Graphic Cards based on NVIDIA Pascal™ Architecture

PCI Express Graphic Cards with NVIDIA Embedded GPUs



• Quadro-E PEG P620



• Quadro-E PEG P1000



Features

- NVIDIA embedded graphics based on Pascal™ architecture
- 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 availability

Ordering Information

Quadro-E PEG P620	NVIDIA® Quadro® Embedded P620, PCIe x16 Gen3, 4x mDP 1.4, 2.713" H x 5.7" L, single slot, low profile
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 MVP-6000/6100 and MXC-6400/6600 Series.
 † Special conditions apply.

Specifications



Model Name	Quadro-E PEG P620	Quadro-E PEG P1000
Graphic Core		
Graphic Architecture	NVIDIA® Pascal™ GP107	
GPU	Quadro® P620	Quadro® P1000
Memory	2GB GDDR5 memory, 128-bit, Bandwidth: 80 GB/s	4GB GDDR5 memory, 128-bit, Bandwidth: 80 GB/s
GPGPU Computing		
CUDA Cores	512 CUDA cores, 1.38 TFLOPS peak FP32 performance	640 CUDA cores, 1.89 TFLOPS peak FP32 performance
Compute API	CUDA Toolkit 8.0, CUDA Compute version 6.1, OpenCL™ 1.2, Direct Compute	
Graphics API	Shader Model 5.1, OpenGL 4.5, DirectX® 12, Vulkan 1.0	
NVIDIA Technology	NVIDIA® Mosaic Technology NVIDIA® nView® Display Management Technology	
Display		
Display Outputs	4x mDP 1.4 4096x2160 @ 60Hz 5120x2880 @ 60Hz HDCP 2.2 support * VGA/DVI/HDMI support via adapter/connector/bracket	
Interface	PCI Express 3.0 x16	
Mechanicals		
Dimensions (mm)	2.713" × 5.7", single slot	
Weight	129g	
Environmental		
Operating Temperature	0°C~55°C	
Storage Temperature	-40°C~75°C	
Operating RH	5% to 90%	
Storage RH	5% to 90%	
Module Power Consumption	40W	47W
SW Support		
OS Support	Windows 7/10 & Linux Drivers, 64-bit	

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