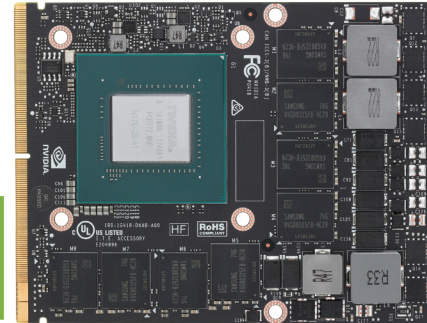


EGX-MXM-P5000

Mobile PCI Express Module with NVIDIA® Quadro® Embedded P5000

Features

- MXM 3.1 Type B form factor (82mm x 105 mm)
- 2048 CUDA cores
- 6.4 TFLOPS peak FP32 performance
- 16GB GDDR5 memory
- 192GB/s peak memory bandwidth
- Maximum power 100W
- 5-year availability



Introduction

Meeting the needs of embedded, ruggedized, and mobile system builders, the EGX-MXM-P5000 utilizes Quadro Pascal architecture to deliver superior graphics and computing performance. The EGX-MXM-P5000 is specifically purposed to accommodate form factors incompatible with conventional PCI Express cards, and is built to maintain operations under a wide range of thermal and other environmental conditions. It's the ideal choice for blade-based and other deployments where high GPU density is critical, with a choice of GPU memory capacity, extremely reasonable power requirements, and flexible display options.

Ordering Information

- **EGX-MXM-P5000**
 NVIDIA® Quadro® Embedded P5000, MXM 3.1 type B, 82 x 105mm, PCIe x16 Gen3

Specifications

	EGX-MXM-P5000
Graphic Core	
Graphic Architecture	NVIDIA® Pascal™ GP104
GPU	Quadro® P5000
Display Outputs	Up to 4 display outputs
Signal Interface	4x DisplayPort 1.4 digital video outputs (DP++), 1x HDMI, 2x DVI, 1x eDP
GPGPU Computing	
CUDA Supports	2048 CUDA cores, 6.4 TFLOPS peak FP32 performance
Memory	GDDR5 16GB memory, memory width: 256-bit, bandwidth: 192.2GB/s
Mechanicals	
Dimensions	87 (W) x 105 (D) x 4.8 (H) mm
Locking Mechanism	Standard MXM 3.1 Type B
Environmental	
Operating Temp.	0 to 55°C
Storage Temp.	-40°C to 125°C
Operating RH	5% to 90%
Storage RH	5% to 95%
Module Power Consumption	100W
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® VR Ready/ NVIDIA® Mosaic Technology/ NVIDIA® nView® Display Management Technology