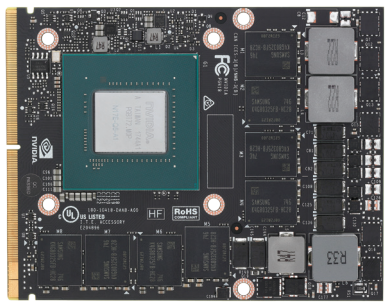
EGX-MXM-P5000

Mobile PCI Express Module with NVIDIA® Quadro® Embedded P5000

Features

- Standard MXM 3.1 Type B form factor (82mm x 105 mm)
- 2048 CUDA cores
- 6.4 TFLOPS peak FP32 performance
- 16GB GDDR5 memory, 256-bit
- 192GB/s peak memory bandwidth
- Maximum power 100W
- 5-year availability

NVIDIA QUADRO CERTIFIED
EMBEDDED



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	
GPU	Quadro® P5000
Memory	16GB GDDR5 memory, 256-bit, Bandwidth: 192.2 GB/s
GPGPU Computing	
CUDA Cores	2048 CUDA® cores, 6.4 TFLOPS peak FP32 performance
Compute API	CUDA Toolkit 8.0, CUDA Compute version 6.1, OpenCL™ 1.2, Direct Compute
Graphics API	DirectX® 12, OpenGL 4.5, Vulkan 1.0 Shader Model 5.1
Display	
Display Outputs	4x DisplayPort 1.4 digital video outputs (DP++), 1x HDMI, 2x DVI, 1x eDP
Interface	MXM 3.1, PCI Express Gen3 x16 support
Mechanicals	
Dimensions	82 (W) x 105 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type B
Environmental	
Operating Temp.	0 to 55˚C
Storage Temp.	-40˚C to 125˚C
Module Power Consumption	100W
SW Support	
OS Support	Windows 10 & Linux drivers, 64-bit

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