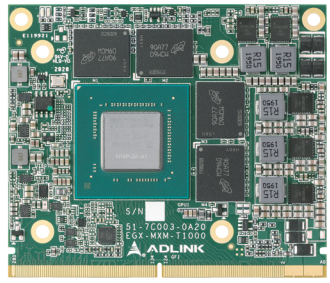
EGX-MXM-T1000 (Preliminary)

Mobile PCI Express Module with NVIDIA® Quadro® Embedded T1000

Features

- NVIDIA® Quadro® T1000 embedded graphics
- Standard MXM 3.1 Type A (82 x 70 mm)
- 896 CUDA cores,
- 2.6 TFLOPS peak FP32 performance
- 4GB GDDR6 memory, 128-bit
- 192GB/s maximal memory bandwidth
- Support up to 4 DP 1.4a displays, 50W TGP
- 5-year availability



Introduction

The EGX-MXM-T1000 module features advanced NVIDIA® Turing™ GPU technology in MXM 3.1 Type A form factor. It's compact, slim and reliable design makes it suitable for mission critical environment. EGX-MXM-T1000 provides improved performance per watt. This MXM GPU module offers a flexible and easy solution for deep learning solutions for applications including medical, image processing, and gaming applications.

Ordering Information

- **EGX-MXM-T1000**
  NVIDIA® Quadro® T1000 Embedded Graphics, MXM 3.1 type A, 82 x 70mm, PCIe x16 Gen3

Specifications

Model Name	EGX-MXM-T1000
Graphic Core	
GPU	Quadro® T1000
Memory	4GB GDDR6 memory, 128-bit, Bandwidth: 192 GB/s
GPGPU Computing	
CUDA Cores	896 CUDA cores, 2.6 TFLOPS Peak FP32 performance
Compute API	CUDA Toolkit 8.0 and above, CUDA Compute version 6.1 and above, OpenCL™ 1.2
Graphics API	DirectX® 12, OpenGL 4.6, Vulkan 1.0 API
Display	
Display Outputs	4x DisplayPort 1.4a digital video outputs 4K at 120Hz or 8K at 60Hz
Interface	MXM 3.1, PCI Express Gen3 x16 support
Mechanicals	
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A
Environmental	
Operating Temp.	Standard: 0°C to 55°C, ETT: -40°C to 85°C
Storage Temp.	-40°C to 85°C
Module Power Consumption	50W TGP
SW Support	
OS Support	Windows 10 & Linux Drivers, 64-bit

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EGX-MXM-RTX3000 (Preliminary)

Mobile PCI Express Module with NVIDIA® Quadro® Embedded RTX3000

Features

- NVIDIA® Quadro® RTX3000 embedded graphics
- Standard MXM 3.1 Type B form factor (82 x 105 mm)
- 1920 CUDA cores, 30 RT cores, and 240 Tensor cores
- 5.3 TFLOPS peak FP32 performance
- 6GB GDDR6 memory, 192-bit
- 336GB/s maximal memory bandwidth
- Support up to 4 DP 1.4b displays, 80W TGP
- 5-year availability

Introduction

The EGX-MXM-RTX3000 module features advanced NVIDIA® Turing™ GPU technology in MXM 3.1 Type B form factor. It's compact, slim and reliable design makes it suitable for mission critical environment. EGX-MXM-RTX3000 supports 4 DP1.4b displays offering a flexible and easy solution for medical and gaming applications.

Ordering Information

- **EGX-MXM-RTX3000**
  NVIDIA® Quadro® RTX3000 Embedded Graphics, MXM 3.1 type B, 82 x 105mm, PCIe x16 Gen3

Specifications

Model Name	EGX-MXM-RTX3000
Graphic Core	
GPU	Quadro® RTX3000
Memory	6GB GDDR6 memory, 192-bit, Bandwidth: 336 GB/s
GPGPU Computing	
CUDA Cores	1920 CUDA® cores, 5.3 TFLOPS Peak FP32 performance
Tensor Cores	240 Tensor Cores
Compute API	CUDA Toolkit 8.0 and above, CUDA Compute version 6.1 and above, OpenCL™ 1.2
Graphics API	DirectX® 12, OpenGL 4.6, Vulkan 1.0 API
Display	
Display Outputs	4x DisplayPort 1.4b digital video outputs 4K at 120Hz or 8K at 60Hz
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.	Standard: 0°C to 55°C, ETT: TBC
Storage Temp.	-40°C to 85°C
Module Power Consumption	80W TGP
SW Support	
OS Support	Windows 10 & Linux Drivers, 64-bit

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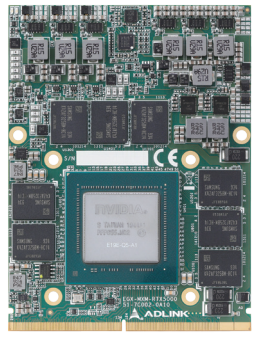
EGX-MXM-RTX5000 (Preliminary)

Mobile PCI Express Module with NVIDIA® Quadro® Embedded RTX5000

Features

- NVIDIA® Quadro® RTX5000 embedded graphics
- Standard MXM 3.1 Type B+ form factor (82 x 110mm)
- 3072 CUDA cores, 48 RT cores, and 384 Tensor cores
- 9.4 TFLOPS peak FP32 performance
- 16GB GDDR6 memory, 256-bit
- 448GB/s maximal memory bandwidth
- Support up to 4 DP 1.4b displays, 110W TGP
- 5-year availability



Introduction

The EGX-MXM-RTX5000 module features advanced NVIDIA® Turing™ GPU technology in MXM 3.1 Type B+ form factor. It's compact, slim and reliable design makes it suitable for mission critical environment. EGX-MXM-RTX5000 supports 4 DP 1.4b displays offering a flexible and easy solution for medical and gaming applications.

Ordering Information

- **EGX-MXM-RTX5000**
  NVIDIA® Quadro® RTX5000 Embedded Graphics, MXM 3.1 type B+, 82 x 110mm, PCIe x16 Gen3

Specifications

Model Name	EGX-MXM-RTX5000
Graphic Core	
GPU	Quadro® RTX5000
Memory	16GB GDDR6 memory, 256-bit, Bandwidth: 448 GB/s
GPGPU Computing	
CUDA Cores	3072 CUDA® cores, 9.4 TFLOPS Peak FP32 performance
Tensor Cores	384 Tensor Cores
Compute API	CUDA Toolkit 8.0 and above, CUDA Compute version 6.1 and above, OpenCL™ 1.2
Graphics API	DirectX® 12, OpenGL 4.6, Vulkan 1.0 API
Display	
Display Outputs	4x DisplayPort 1.4b digital video outputs 4K at 120Hz or 8K at 60Hz
Interface	MXM 3.1, PCI Express Gen3 x16 support
Mechanicals	
Dimensions	82 (W) x 110 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type B+
Environmental	
Operating Temp.	Standard: 0°C to 55°C, ETT: TBC
Storage Temp.	-40°C to 85°C
Module Power Consumption	110W TGP
SW Support	
OS Support	Windows 10 & Linux Drivers, 64-bit

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