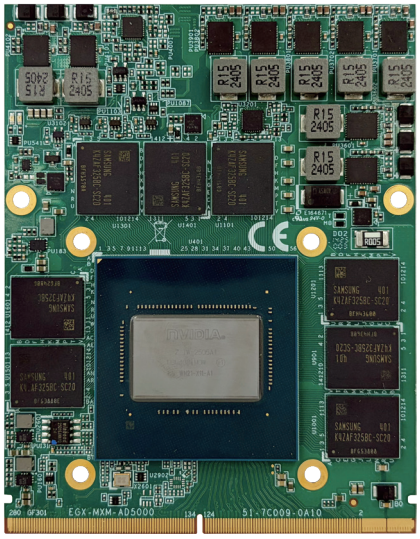
MXM-AD5000

NVIDIA Embedded RTX AD5000 MXM Type B, 16G, 80W Kit with Heatsink and Thermal Pad

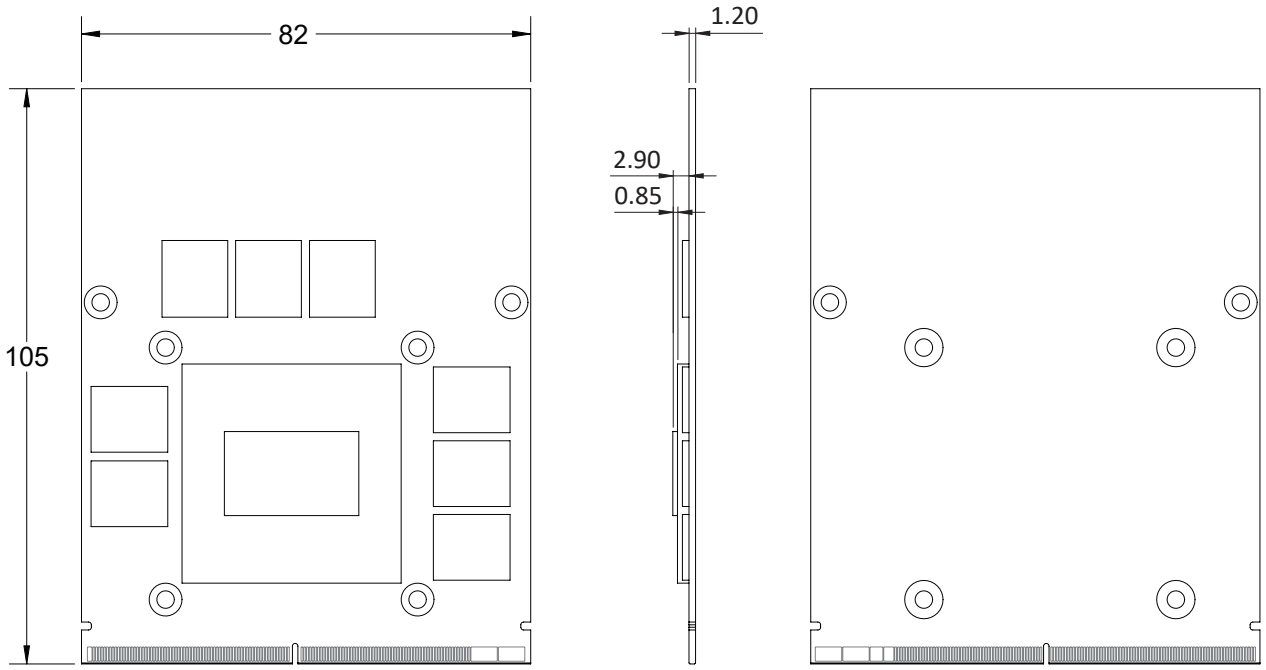


- NVIDIA® RTX™ AD5000 Embedded Graphics
- Standard MXM 3.1 Type B Form Factor (82 x 105 mm)
- 9728 NVIDIA® CUDA® Cores, 76 RT cores, and 304 Tensor cores
- 42.6 TFLOPS Peak FP32 Performance
- PCIe Gen 4 x16 interface
- 5-year Availability

Specifications

GPU	• NVIDIA RTX™ 5000 ADA AD103-950-955 GPU
Memory	• 16GB GDDR6 memory, 256-bit (Bandwidth: 576 GB/s)
CUDA Cores	• 9728 CUDA cores, 42.6 TFLOPS peak FP32 performance
Tensor Cores	• 304 Tensor Cores
RT Cores	• 76 RT Cores
Compute API	• CUDA® Toolkit 8.0 and above, CUDA® Compute version 8 and above, OpenCL™ 1.2
Graphics API	• DirectX® 12.1, OpenGL® 4.6
Display Outputs	• 4x DP 1.4a, HDMI® 2.1, 4K at 120Hz or 8K at 60Hz with 10-bit color depth
Interface	• MXM 3.1, PCI Express Gen4 x16 support
Dimensions	• 82 (W) x 105 (D) x 4.8 (H) mm
Form Factor	• Standard MXM 3.1 Type B
Power Consumption	• 80W
OS Support	• Windows 11, 10 & Linux Drivers, 64-bit

Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
MXM-AD5000-R10	NVIDIA Embedded RTX AD5000 MXM Type B, 16G, 80W Kit with Heatsink and Thermal Pad

Package Checklist

▪ NVIDIA RTX™ Embedded AD5000 GPU Card x 1	▪ GPU Heatsink x 1
▪ GPU Thermal Pad Kit x 1	▪ Screw Pack x 1

Optional MXM Heat Sink Kit

Model No.	Description
MXM-HSKB-03	MXM Type B Heatsink Kit for MXM-AD3500 & MXM-AD5000

* The MXM module kit includes a heat sink and thermal pads. The MXM Heat Sink Kit is intended for cases where an additional standalone heat sink and thermal pads are required.

Updated: Sep. 30, 2026

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