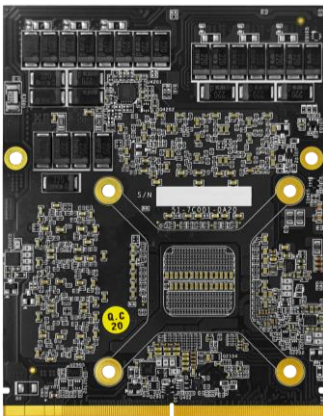
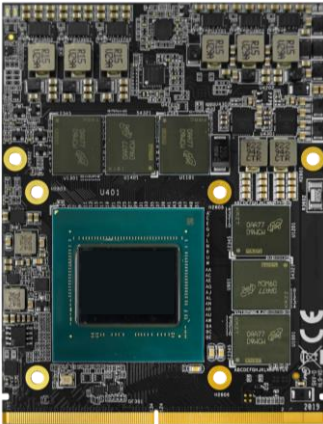


# M3T3000-QN (Preliminary)

## Features

- NVIDIA Quadro RTX 3000 embedded graphics based on NVIDIA Turing architecture
- 1920 CUDA cores, 30 RT cores and 240 Tensor cores, 6GB GDDR6 memory
- 5.3 TFLOPS peak FP32 performance
- Support up to 4 DisplayPort 1.4 displays
- Support CUDA Compute version 7.5, OpenCL 1.2, OpenGL 4.6, DirectX 12 and Vulkan 1.1 API
- 5-year life cycle availability

## Specifications



### GPU Engine Specs

GPU	NVIDIA Quadro RTX 3000
GPU Architecture	NVIDIA Turing TU106
GPU Clock (Base/Boost)	945/1380 MHz
NVIDIA CUDA Cores	1920
Floating Point Performance	5.3 TFLOPS SP Peak

### Memory Specs

Memory Size	6GB GDDR6
Memory Clock	14 Gbps
Memory Interface Width	192-bit
Memory Bandwidth (GB/sec)	336

### Feature Support

Bus Support	PCI Express 3.0
Open GL	4.6
DirectX	12
Open CL	1.2
Operation System	Windows 10 64-bit Linux 64-bit

### Display Support

Max. Digital Display Support	7680x4320
Max. Displays per Board	4
Display Interface	DP_A: DisplayPort1.4 DP_B: DisplayPort1.4 DP_C: DisplayPort1.4 DP_D: DisplayPort1.4 DP_E: DisplayPort1.4

### Power Specs

Max. Board Power Consumption (W)	80 W
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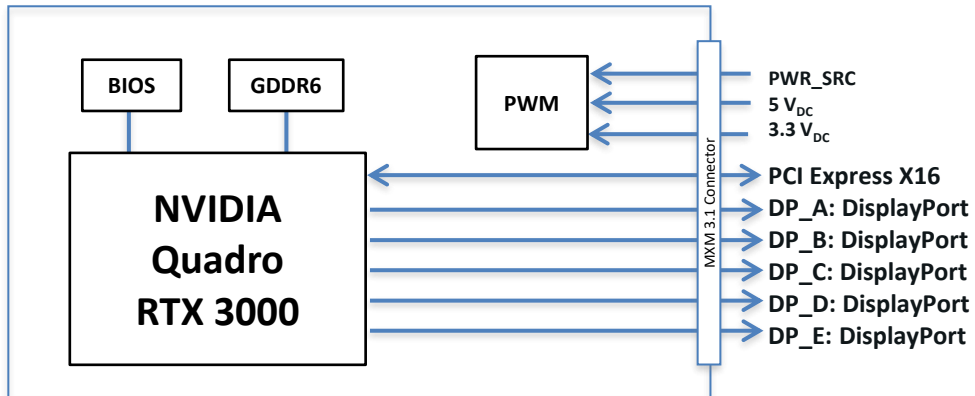
### Dimensions

Form Factor	MXM graphics module version 3.1, Type B
Dimensions	82 x 105 mm

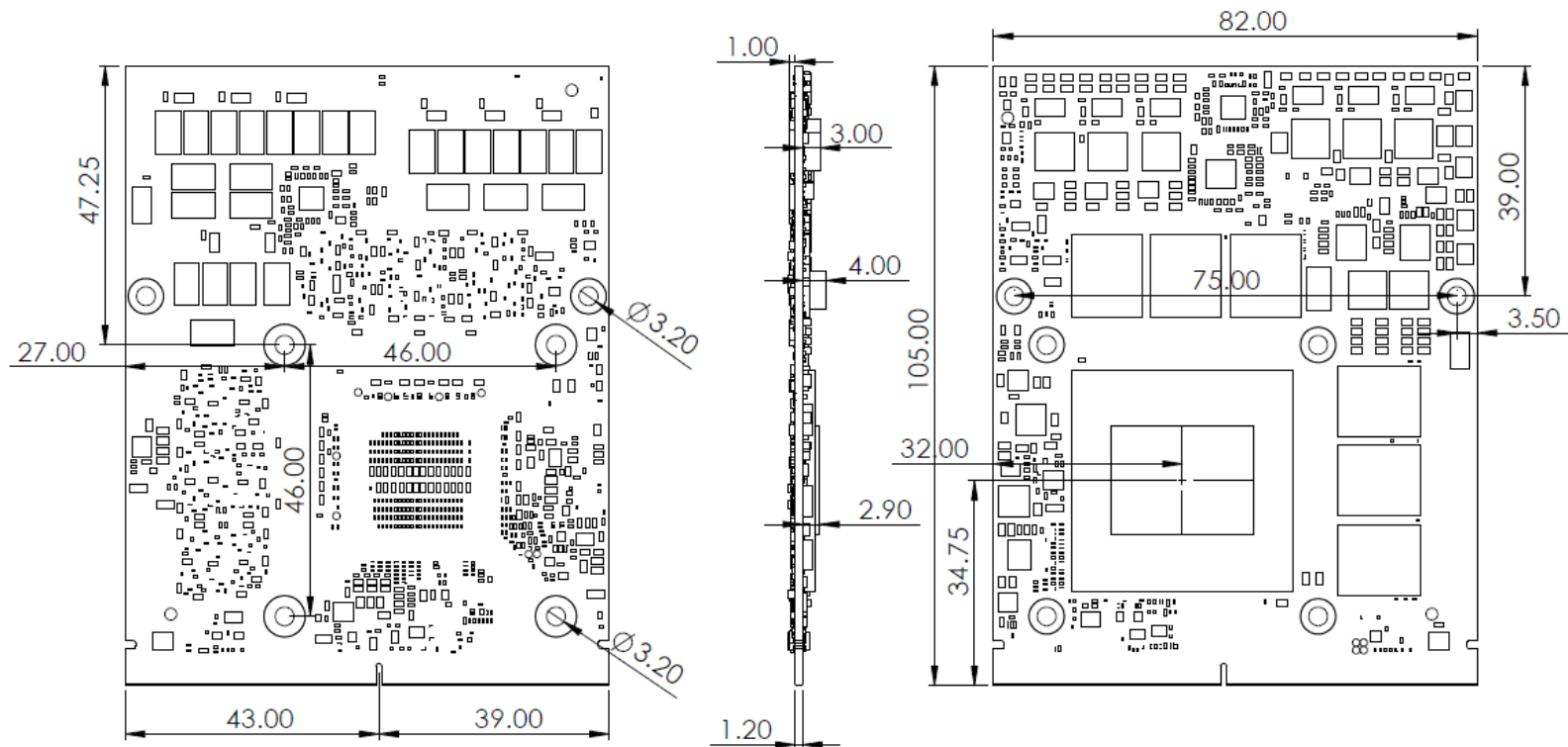
### Environmental

Operating Temp.	Standard: 0 to +55°C, Relative Humidity 5 to 90%
Storage Temp.	Wide: -40 to +85°C, Relative Humidity 5 to 90%
	-40 to +125°C, Relative Humidity 5 to 95%

## Block Diagram



## Mechanical



## Ordering Information

Module Number	Description
M3T3000-QN	MXM3.1 Type B, NVIDIA Quadro RTX 3000, 6GB GDDR6, 0°C to +55°C
M3T3000-QN-A	MXM3.1 Type B, NVIDIA Quadro RTX 3000, 6GB GDDR6, -40°C to +85°C