M3T3000-QN

Features

- **NVIDIA Quadro RTX3000 embedded graphics based on NVIDIA Turing architecture**
- **2304 CUDA cores, 36 RT cores and 288 Tensor cores, 6GB GDDR6 memory**
- **6.4 TFLOPS peak FP32 performance**
- **Support up to 4 DisplayPort 1.4a 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**

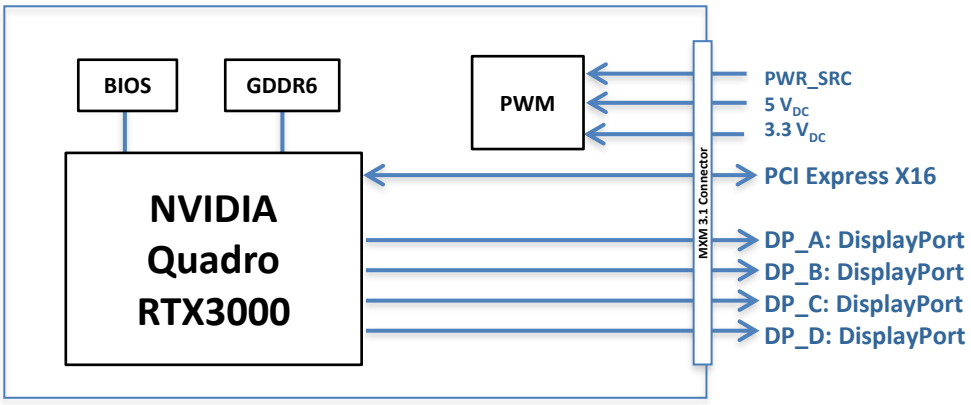
Specifications

GPU Engine Specs	
GPU	NVIDIA Quadro RTX3000
GPU Architecture	NVIDIA Turing TU106
GPU Clock (Base/Boost)	(TBD) MHz
NVIDIA CUDA Cores	2304
Floating Point Performance	6.4 TFLOPS SP Peak
Memory Specs	
Memory Size	6GB GDDR6
Memory Clock	(TBD) 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. Analog Display Support	Not Support
Display Interface	DP_A: DisplayPort1.4a DP_B: DisplayPort1.4a DP_C: DisplayPort1.4a DP_D: DisplayPort1.4a
Power Specs	
Max. Board Power Consumption (W)	80 W
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% Wide: -40 to +85°C, Relative Humidity 5 to 90%
Storage Temp.	-40 to +125°C, Relative Humidity 5 to 95%

Ordering Information

Module Number	Description
M3T3000-QN	MXM3.1 Type B, NVIDIA Quadro RTX3000, 6GB GDDR6, 0°C to +55°C
M3T3000-QN-A	MXM3.1 Type B, NVIDIA Quadro RTX3000, 6GB GDDR6, -40°C to +85°C

Block Diagram



Mechanical

Ordering Information

Module Number	Description
M3T3000-QN	MXM3.1 Type B, NVIDIA Quadro RTX3000, 6GB GDDR6, 0˚C to +55˚C
M3T3000-QN-A	MXM3.1 Type B, NVIDIA Quadro RTX3000, 6GB GDDR6, -40˚C to +85˚C