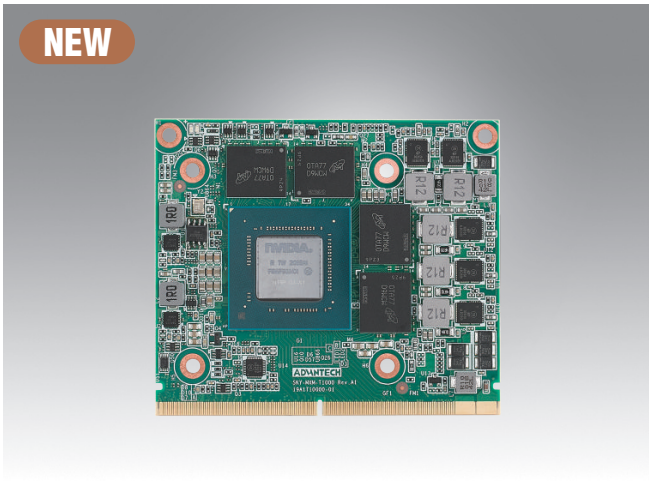
SKY-MXM-T1000

MXM 3.1 Type A NVIDIA® Quadro® Embedded T1000 with DP 1.4a



CE FCC

Features

- NVIDIA Turing architecture Quadro® T1000 with MXM 3.1 TYPE A form factor (82 x 70 mm)
- Up to 896 CUDA cores , 2.6 TFLOPS
- GDDR6 4GB memory, 128-bit, bandwidth 192 GB/s
- Discrete or MS-Hybrid mode supported
- Encode Sessions up to 3
- Up to 4 x DisplayPort 1.4a outputs
- Long life cycle, supports 5 years availability

Specifications

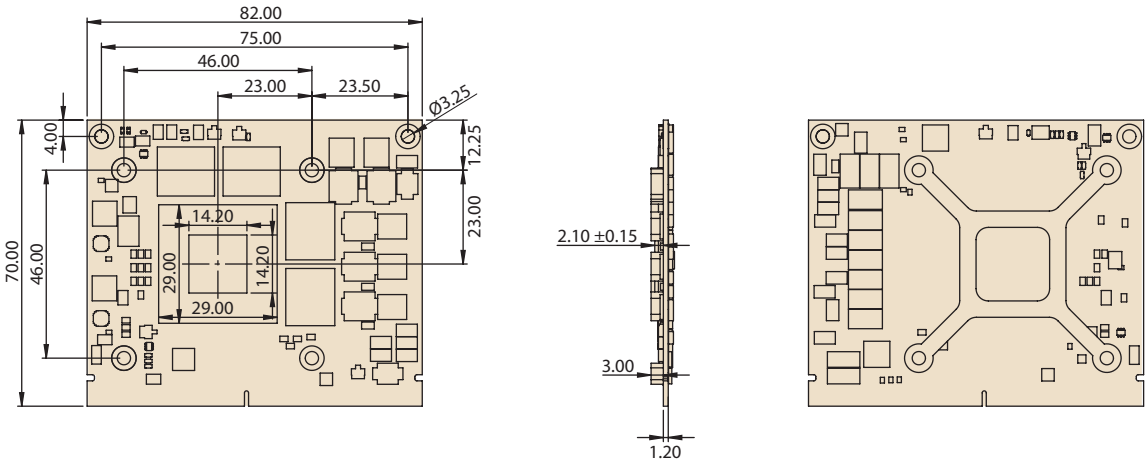
Processor System	GPU	Quadro® T1000	
	Graphic Architecture	NVIDIA® Turing™ TU117	
	CUDA Parallel-Processing Cores	896 CUDA® cores	
	GPU Base/Boost Clock	1395 MHZ / 1455 MHZ	
	FP32 Performance	2.6 TFLOPS	
Memory	Technology	GDDR6 4GB memory	
	Interface Width	128-bit	
	Bandwidth	192 GB/s	
	Memory ECC	-	
Graphics	DP	4 x DisplayPort 1.4a, 4K at 120Hz or 8K at 60Hz (Requires DSC) Support HDMI 2.0 via DP dual-mode, 4K at 60Hz	
	Display Mode	Discrete or MS-Hybrid mode supported	
Bus	PCI express 3.0	MXM 3.1, PCI Express Gen3 x16 supports	
Power Consumption	Max Power Consumption	50W	
Environment		Operating	Non-Operating
	Temperature	0 ~ 55 °C (dependent on CPU and cooler solution)	-40 ~ 85 °C
	Humidity	40 °C @ 85% relative humidity (non-condensing)	60 °C @ 95% relative humidity (non-condensing)
Features	Encode Supported Sessions	3	
	RDMA	-	
Physical	Dimensions	82 (W) x 70 (D) mm	
	Form Factor	MXM 3.1 Type A	
OS	Microsoft	Windows 10, 64-bit	
	Linux	Linux Drivers, 64-bit	

All product specifications are subject to change without notice.

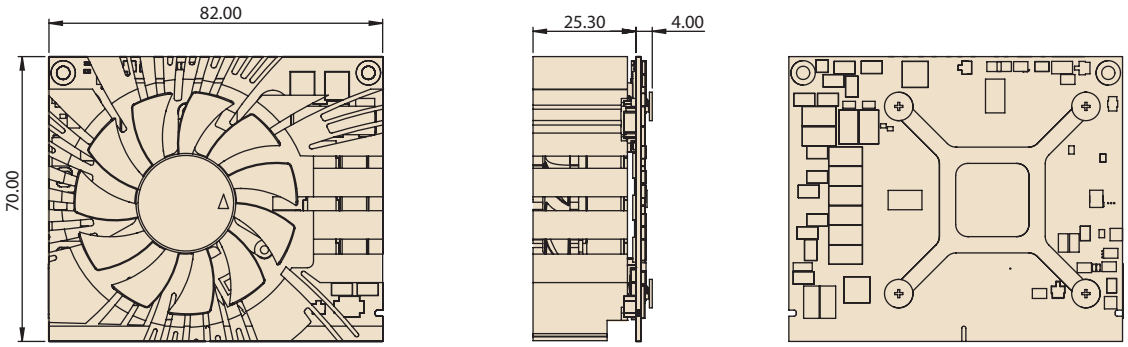
Dimensions

Unit: mm

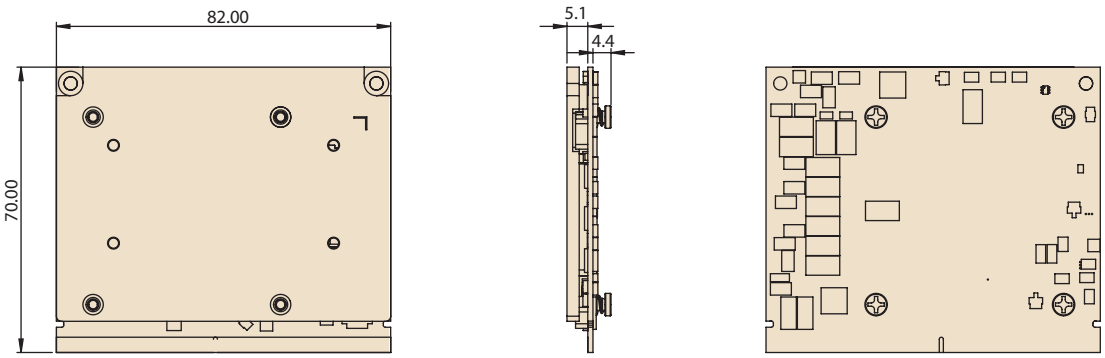
SKY-MXM-T1000



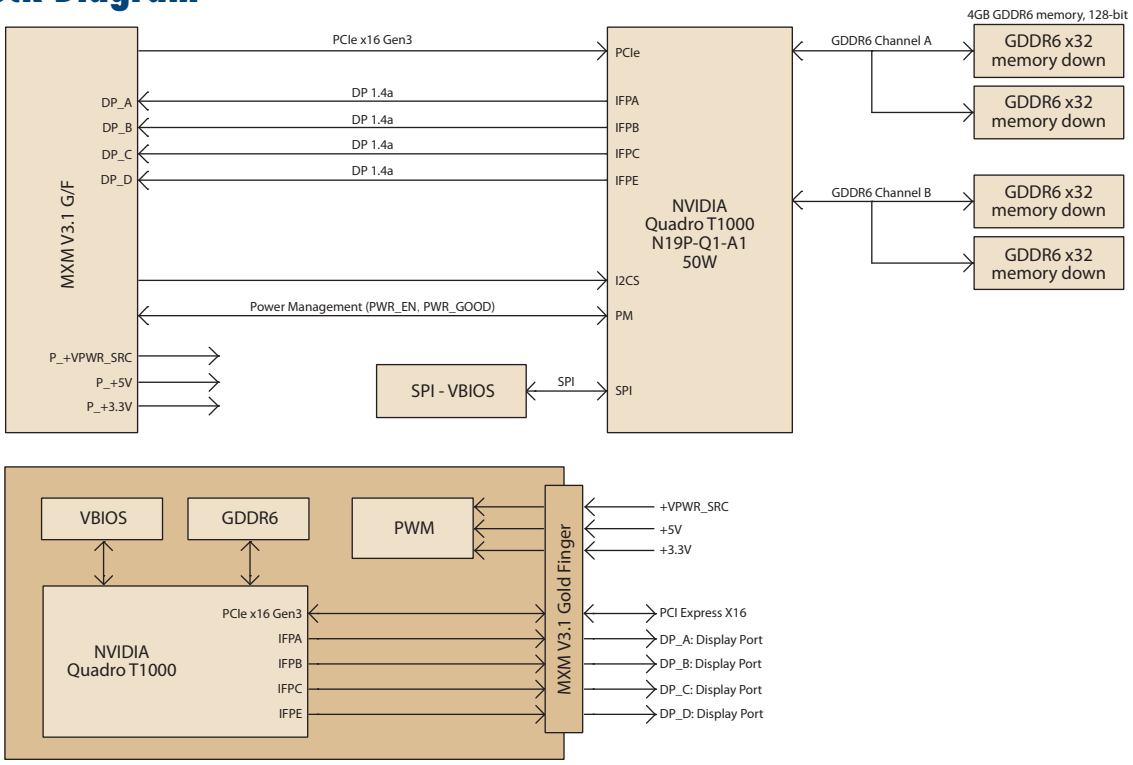
SKY-MXM-T1000 with Standard Fan Cooler (Option)



SKY-MXM-T1000 with Heat spreader (Option)



Block Diagram



Ordering Information

Part Number	GPU Memory	GPU Base/Boost Clock	FP32 Performance	Max Power Consumption	Display Connectors	Supported Features
SKY-MXM-T1000-4HDB	4GB GDDR6	1395 MHZ / 1650 MHZ	2.6 TFLOPS	50W	DP 1.4 * 4	Discrete Mode
SKY-MXM-T1000-4HHB	4GB GDDR6	1395 MHZ / 1650 MHZ	2.6 TFLOPS	50W	Headless Design	MS Hybrid Mode

Optional Accessories

Thermal Solution

Part Number	Description	Material	Dimension (mm)	Operating Temp Support
98R1X100010	Standard Fan Cooler	Aluminum	69.82(L) x 82(W) x 25.2(H)	0 ~ 55°C
98R1X100000	Heat Spreader	Aluminum	62.35(L) x 82(W) x 4.9(H)	Depending on system thermal solution

MXM-Carrier

Part Number	Description	PCIe Interface	Dimension (mm)	Display Output
SKY-MXM-CAR	MXM-Carrier PCIe to MXM	Gen3 x 16	235.95(L) x162.2(H)	4 x DisplayPort 1.4a
SKY-MXM-CARG4	MXM-Carrier PCIe to MXM PCIe Gen4	Gen4 x 16	235.95(L) x162.2(H)	4 x DisplayPort 1.4a