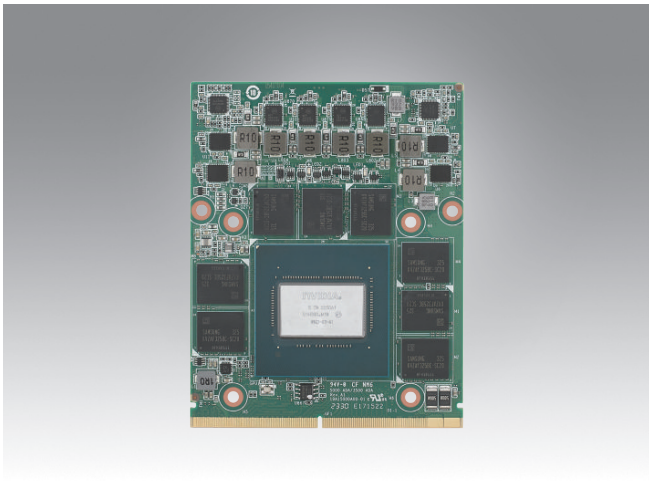
SKY-MXM-5000A

MXM 3.1 Type B+ NVIDIA® Quadro® Embedded 5000 Ada with DP 1.4a



CE FCC

Features

- NVIDIA® Quadro® 5000 Ada with MXM 3.1 TYPE B+ form factor(82 x 105 mm)
- Up to 9728 CUDA cores , 76 RT cores and 304 Tensor cores, 42.6 TFLOPS
- GDDR6 16GB memory, 256-bit, bandwidth 576 GB/s
- Discrete or MS-Hybrid mode supported
- Memory Error Correction Code (ECC) supported
- Encode Sessions Unlimited
- GPUDirect® Remote Direct Memory Access (RDMA) and Video supported
- Up to 4 x DisplayPort 1.4a outputs
- Long life cycle, supports 5 years availability

Specifications

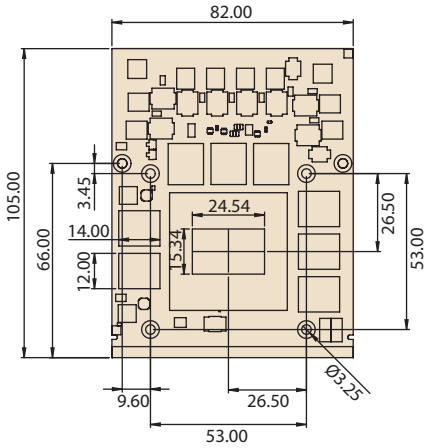
Processor System	GPU	Quadro® 5000 Ada	
	Graphic Architecture	NVIDIA® Ada Lovelace™ AD103-950	
	CUDA Parallel-Processing Cores	9,728 CUDA® cores	
	GPU Base/Boost Clock	1425 MHZ / 2115 MHZ	
	RT Cores	76	
	Tensor Cores	304	
	FP32 Performance	41.15 TFLOPS	
Memory	Technology	GDDR6 16GB memory	
	Interface Width	256-bit	
	Bandwidth	576 GB/s	
	Memory ECC	Supported	
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	
Bus	PCI express 3.0	MXM 3.1, Type B+ PCI Express Gen4 x16 supports	
Power Consumption	Max Power Consumption	115W	
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	Unlimited	
	RDMA	Supported	
Physical	Dimensions	82 (W) x 105 (D) mm	
	Form Factor	MXM 3.1 Type B+(Proprietary thermal solution required)	
OS	Microsoft	Windows 10/11, 64-bit	
	Linux	Linux Drivers, 64-bit	

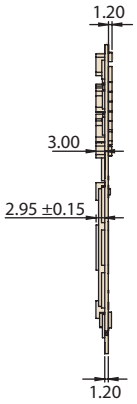
All product specifications are subject to change without notice.
Last updated: 7-Nov-2024

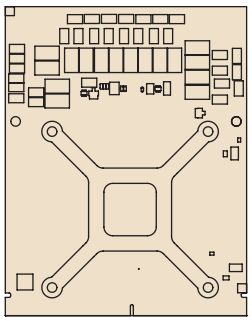
Dimensions

Unit: mm

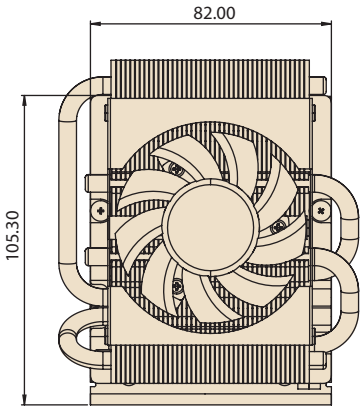
SKY-MXM-5000A

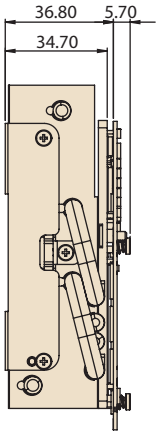


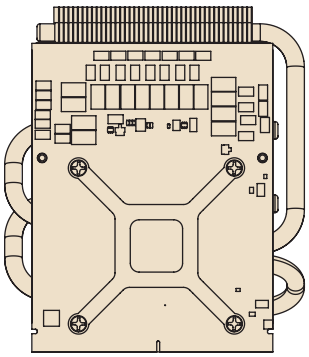




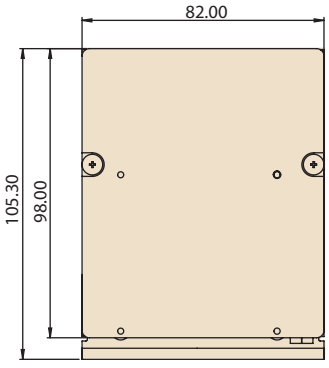
SKY-MXM-5000A with Fan Cooler (Option)

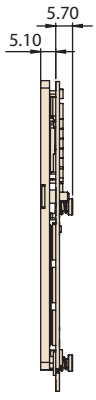


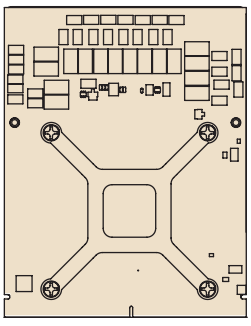




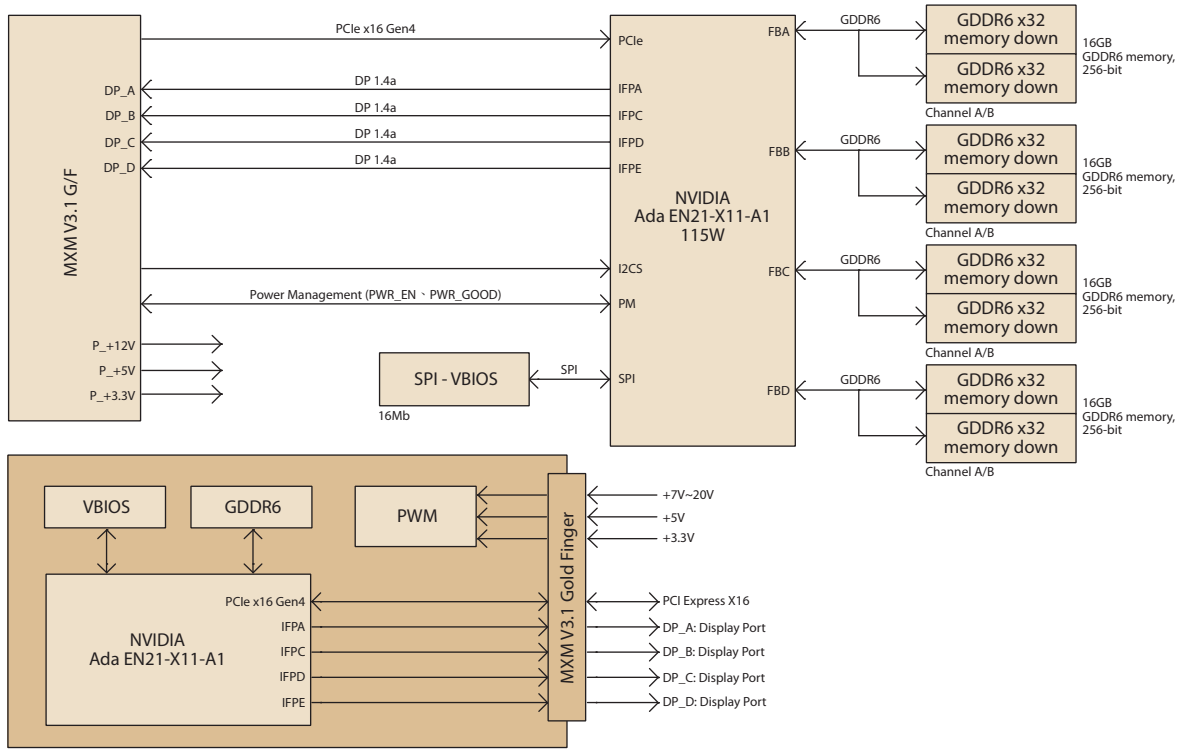
SKY-MXM-5000A with Heat Spreader (Option)







Block Diagram



Ordering Information

Part Number	GPU Memory	GPU Base/Boost Clock	RT Cores	Tensor Cores	FP32 Performance	Max Power Consumption	Display Connectors	Supported Features
SKY-MXM-5000A-6SDA	16GB GDDR6	1425 MHZ / 2115 MHZ	76	304	41.15 TFLOPS	115W	DP 1.4*4	Discrete Mode
SKY-MXM-5000A-6SHA	16GB GDDR6	930 MHZ / 1680 MHZ	76	304	32.69 TFLOPS	80W	Headless Design	MS-Hybrid Mode

Optional Accessories

Thermal Solution

Part Number	Description	Material	Dimension (mm)	Operating Temp Support
98R1X450010	Fan Cooler	Aluminum	110(L) x 102(W) x 36.6(H)	0 ~ 55°C
98R1X450000	Heat Spreader	Aluminum	98(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-CARG4	MXM-Carrier PCIe to MXM PCIe Gen4	Gen4 x 16	235.95(L) x162.2(H)	4 x DisplayPort 1.4a