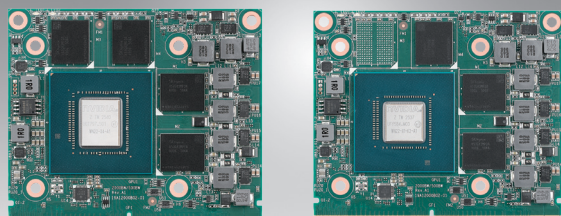


SKY-MXM-2000B

SKY-MXM-500B

MXM 3.1 Type A NVIDIA® Quadro® Embedded 2000B/500B with DP 2.1a



SKY-MXM-2000B

SKY-MXM-500B



Features

- NVIDIA Blackwell architecture form factor (82 x 70 mm)
- Up to 3328 CUDA cores, 104 RT cores and 26 Tensor cores, 17.7 TFLOPS
- 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 3 x DisplayPort 2.1a outputs
- Long life cycle, supports 5 years availability

Specifications

Processor System	GPU	RTX PRO 2000B	RTX PRO 500B
	Graphic Architecture	NVIDIA® Blackwell	NVIDIA® Blackwell
	CUDA Parallel-Processing Cores	3328 CUDA® cores	1792 CUDA® cores
	GPU Base/Boost Clock	1522 MHZ / 2070 MHZ	2160 MHZ / 2565 MHZ
	RT Cores	104	56
	Tensor Cores	26	14
	FP32 Performance	17.7 TFLOPS	9.2 TFLOPS
Memory	Technology	GDDR7 8GB memory	GDDR7 6GB memory
	Interface Width	128-bit	96-bit
	Bandwidth	384 GB/s	288 GB/s
	Memory ECC	Supported	Not Supported
Graphics	DP	3 x DisplayPort 2.1a 4K at 120Hz or 8K at 60Hz (Requires DSC), Support HDMI 2.1	
	Display Mode	Discrete or MS-Hybrid mode supported	
Bus	PCI express 4.0	MXM 3.1, PCI Express Gen5 x8 supports	
Power Consumption	Max Power Consumption	60W	60W/30W
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)
Physical	Dimensions	82 (W) x 70 (D) mm x 4.8 (H) mm	
	Form Factor	Standard MXM 3.1 Type A	
OS	Microsoft	Windows 10/11, 64-bit	
	Linux	Linux Drivers, 64-bit	
API	Compute API	CUDA® Toolkit 8.0 and above, CUDA® Compute version 8 and above, OpenCL™ 1.2	
	Graphic API	DirectX® 12, Vulkan 1.2, OpenGL® 4.6	

Ordering Information

Part Number	GPU Memory	GPU Base/Boost Clock	RT Cores	Tensor Cores	FP32 Performance	Max Power Consumption	Disply Connectors	Supported Feature
SKY-MXM-2000B-8HDA	8GB GDDR7	1522 MHZ / 2070 MHZ	104	26	17.7 TFLOPS	60W	DP 2.1a*3	Discrete Mode
SKY-MXM-2000B-8HHA	8GB GDDR7	1522 MHZ / 2070 MHZ	104	26	17.7 TFLOPS	60W	Headless Design	MS-Hybrid Mode
SKY-MXM-500B-6HDA	6GB GDDR7	2160 MHZ / 2565 MHZ	56	14	9.2 TFLOPS	60W	DP 2.1a*3	Discrete Mode
SKY-MXM-500B-6HHA	6GB GDDR7	2160 MHZ / 2565 MHZ	56	14	9.2 TFLOPS	60W	Headless Design	MS-Hybrid Mode