

MXM Embedded Solutions Linecard

	NVIDIA RTX A4500 16GB 115W	NVIDIA RTX A4500 12GB 80W	NVIDIA RTX A4500 8GB 115W	NVIDIA RTX A4500 8GB 80W	NVIDIA RTX A2000 8GB 60W
PNY Part Number	NRTXA4500-16G-115W-KIT	NRTXA4500-16G-80W-KIT	NRTXA4500-8G-115W-KIT	NRTXA4500-8G-80W-KIT	NRTXA2000-8G-60W-KIT
GPU Architecture	NVIDIA Ampere				
Interface	MXM 3.1 PCIe 4.0 x16 support				MXM 3.1 PCIe 4.0 x8 support
Form Factor	Standard MXM 3.1 Type B				Standard MXM 3.1 Type A
Dimensions	82 x 105 x 4.8 mm				82 x 70 x 4.8 mm
Peak FP32	17.66 TFLOPS				8.25 TFLOPS
CUDA Cores	5888				2560
RT Cores	46				20
Tensor Cores	184				80
GPU Memory	16 GB		8 GB		
Memory Type	GDDR6				
Memory Interface	256-bit				128-bit
Memory Bandwidth	512 GB/s				192 GB/s
Maximum Power	115W	80W	115W	80W	60W
Operating Temperature	0° C to 55° C ETT: -20°C to 70°C				
Storage Temperature	-40° C to 85° C				
Lifecycle Availability	Five Years				
Graphics APIs	DirectX® 12 OpenGL 4.6				
Compute APIs	CUDA Compute 8.0 and above, OpenCL™ 1.2				
Operating Systems	Windows 11, 10 and Linux Drivers 64-bit				

For more information, contact a [PNY account manager](#) or email GOPNY@PNY.COM
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	NVIDIA RTX A2000 8GB 35W	NVIDIA RTX A2000 8GB 35W	NVIDIA RTX A2000 4GB 35W	NVIDIA RTX A1000	NVIDIA RTX A500
PNY Part Number	NRTXA2000-8G-35W-KIT	NRTXA2000-4G-60W-KIT	NRTXA2000-4G-35W-KIT	NRTXA1000-KIT	NRTXA500-KIT
GPU Architecture	NVIDIA Ampere				
Interface	MXM 3.1 PCIe 4.0 x8 support				MXM 3.1 PCIe 4.0 x4 support
Form Factor	Standard MXM 3.1 Type A				
Dimensions	82 x 70 x 4.8 mm				
Peak FP32	8.25 TFLOPS			6.66 TFLOPS	6.54 TFLOPS
CUDA Cores	2560			2048	
RT Cores	20			16	
Tensor Cores	80			64	
GPU Memory	8 GB	4 GB			2 GB 4 GB
Memory Type	GDDR6				
Memory Interface	128-bit				64-bit
Memory Bandwidth	192 GB/s				96 GB/s
Maximum Power	35W	60W	35W	60W 35W	40W 25W
Operating Temperature	0° C to 55° C ETT: -20°C to 70°C				
Storage Temperature	-40° C to 85° C				
Lifecycle Availability	Five Years				
Graphics APIs	DirectX® 12 OpenGL 4.6				
Compute APIs	CUDA, DirectCompute, OpenCL				
Operating Systems	Windows 11, 10 and Linux Drivers 64-bit				

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	NVIDIA Quadro RTX 5000	NVIDIA Quadro RTX 3000	NVIDIA RTX A1000 60W	NVIDIA Quadro T1000	NVIDIA Quadro P2000	NVIDIA Quadro P1000
PNY Part Number	QRTX5000-KIT	QRTX3000-KIT	NRTXA1000-60W-KIT	QT1000-KIT QT1000ET-KIT	QP2000-KIT	QP1000-KIT QP1000ET-KIT
GPU Architecture	NVIDIA Turing		NVIDIA Ampere	NVIDIA Turing	NVIDIA Pascal	
Interface	MXM 3.1 PCI Express Gen3 x16 support					
Form Factor	Standard MXM 3.1 Type B		MXM 3.1 PCIe 4.0 x8 support	MXM 3.1 PCI Express Gen3 x16 support		
Dimensions	82 x 110 x 4.8 mm	82 x 105 x 4.8 mm	82 x 70 x 4.8 mm			82 x 105 x 4.8 mm
Peak FP32	9.4 TFLOPS	5.3 TFLOPS	6.66 TFLOPS	2.6 TFLOPS	2.3 TFLOPS	1.50 TFLOPS
CUDA Cores	3072	1920	2048	896	768	512
RT Cores	48	30	16	N/A		
Tensor Cores	384	240	64	N/A		
GPU Memory	16 GB	6GB	4GB			
Memory Type	GDDR6				GDDR5	
Memory Interface	256-bit	192-bit	128-bit			
Memory Bandwidth	448 GB/s	336 GB/s	192 GB/s	128 GB/s	96 GB/s	
Maximum Power	110W	80W	60W	50W	58W	48W
Operating Temperature	0°C to 50°C		0° C to 55° C ETT: -20°C to 70°C		0° C to 55° C ETT: -40°C to 85°C	
Storage Temperature	-40° C to 85° C					
Lifecycle Availability	Five Years					
Graphics APIs	DirectX® 12 OpenGL 4.6 Vulkan 1.0 API					
Compute APIs	CUDA Compute 8.0 and above, CUDA Compute version 6.1 and above, OpenCL™ 1.2					
Operating Systems	Windows 11, 10 and Linux Drivers 64-bit					

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