NVIDIA EMBEDDED MXM

Linecard

GPU Model	PNY Part Number	Form Factor	Interface	CUDA Cores	RT Cores	Tensor Cores	GPU Clock	GPU Boost Clock	GPU Memory	GPU Memory Bandwidth	ECC	Peak Graphics Performance (peak FP32)	Display Outputs	Max Single Display Resolution	Total Graphics Power	EOL Time Frame	MTBF (@25°C)
NVIDIA BLACKWELL ARCHITECTURE																	
NVIDIA RTX PRO 5000 Blackwell	NRTXPRO5000B-24G-115W-B	Type B	PCIE 5.0 x16 / x8	10,496	80 Gen4	320 Gen5	1,402 MHz	1,935 MHz @115W	128-bit 24GB GDDR6	896 GBps	Supported	40.6 TFLOPS	4x DisplayPort 2.1a, HDMI2.1b	7,680 x 4,320 @240MHz	115W	-	-
NVIDIA RTX PRO 4000 Blackwell	NRTXPRO4000B-16G-115W-B	Type B	PCIE 5.0 x16 / x8	7,680	60 Gen4	240 Gen5	1,545 MHz	2,197 MHz @115W	128-bit 16GB GDDR6	896 GBps	Supported	33.7 TFLOPS	4x DisplayPort 2.1a, HDMI2.1b	7,680 x 4,320 @240MHz	115W	-	-
NVIDIA RTX PRO 2000 Blackwell	NRTXPRO2000B-8G-100W-B	Type B	PCIE 5.0 x8 / x4	3,328	26 Gen4	104 Gen5	1,522 MHz	2,070 MHz @60W	384-bit 8GB GDDR6	384 GBps	Supported	13.8 TFLOPS	3x DisplayPort 2.1a, HDMI2.1b	7,680 x 4,320 @240MHz	100W	-	-
NVIDIA RTX PRO 2000 Blackwell	NRTXPRO2000B-8G-60W-B	Type A	PCIE 5.0 x8 / x4	3,328	26 Gen4	104 Gen5	1,522 MHz	2,070 MHz @60W	384-bit 8GB GDDR6	384 GBps	Supported	13.8 TFLOPS	3x DisplayPort 2.1a, HDMI2.1b	7,680 x 4,320 @240MHz	60W	-	-
NVIDIA RTX PRO 500 Blackwell	NRTXPRO500B-6G-60W-B	Type A	PCIE 5.0 x8 / x4	1,792	14 Gen4	56 Gen5	2,160 MHz	2,565 MHz @60W	288-bit 6GB GDDR6	288 GBps	-	9.2 TFLOPS	3x DisplayPort 2.1a, HDMI2.1b	7,680 x 4,320 @240MHz	60W	-	-

ACCESSORIES

PNY Part Number	Description
251-20927-0800F	MXM, N608, N663, N721 GPU FANSINK
251-20927-0700F	MXM, N609, N662, N692, N733 GPU FANSINK

GPU Model	PNY Part Number	Form Factor	Interface	CUDA Cores	RT Cores	Tensor Cores	GPU Clock	GPU Boost Clock	GPU Memory	GPU Memory Bandwidth	ECC	Peak Graphics Performance (peak FP32)	Display Outputs	Max Single Display Resolution	Total Graphics Power	EOL Time Frame	MTBF (@25°C)
NVIDIA ADA LOVELACE ARCHITECTURE																	
NVIDIA RTX 2000 Ada Generation	NRTX2000ADA-8G-115W-B	MXM 3.1 Type B	PCIE 4.0 x4 / x8	3,072	24 Gen3	96 Gen4	2,295 MHz	2,355 MHz @115W	128-bit 8GB GDDR6	256 GBps	Supported	14.5 TFLOPS	3x DisplayPort 1.4a, HDMI2.1	7,680 x 4,320 @60MHz	115W	-Q1 2028	-130,029 hrs
NVIDIA RTX 2000 Ada Generation	NRTX2000ADA-8G-60W-B	MXM 3.1 Type A	PCIE 4.0 x4 / x8	3,072	24 Gen3	96 Gen4	1,635 MHz	2,115 MHz @60W	128-bit 8GB GDDR6	256 GBps	Supported	13.0 TFLOPS	3x DisplayPort 1.4a, HDMI2.1	7,680 x 4,320 @60MHz	60W	-Q1 2028	-132,451 hrs
NVIDIA RTX 2000 Ada Generation	NRTX2000ADA-8G-35W-B	MXM 3.1 Type A	PCIE 4.0 x4 / x8	3,072	24 Gen3	96 Gen4	1,635 MHz	2,115 MHz @60W	128-bit 8GB GDDR6	256 GBps	Supported	13.0 TFLOPS	3x DisplayPort 1.4a, HDMI2.1	7,680 x 4,320 @60MHz	35W	-Q1 2028	-132,451 hrs
NVIDIA RTX 3500 Ada Generation	NRTX3500ADA-12G-115W-B	MXM 3.1 Type B	PCIE 4.0 x8 / x16	5,120	40 Gen3	160 Gen4	1,725 MHz	2,250 MHz @115W	192-bit 12GB GDDR6	432 GBps	Supported	23.0 TFLOPS	4x DisplayPort 1.4a, HDMI2.1	7,680 x 4,320 @60MHz	115W	-Q1 2028	-104,645 hrs
NVIDIA RTX 5000 Ada Generation	NRTX5000ADA-16G-115W-B	MXM 3.1 Type B	PCIE 4.0 x8 / x16	9,728	76 Gen3	304 Gen4	1,425 MHz	2,115 MHz @115W	256-bit 16GB GDDR6	576 GBps	Supported	41.3 TFLOPS	4x DisplayPort 1.4a, HDMI2.1	7,680 x 4,320 @60MHz	115W	-Q1 2028	-95,196 hrs

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NVIDIA EMBEDDED MXM

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GPU Model	PNY Part Number	Form Factor	Interface	CUDA Cores	RT Cores	Tensor Cores	GPU Clock	GPU Boost Clock	GPU Memory	GPU Memory Bandwidth	ECC	Peak Graphics Performance (peak FP32)	Display Outputs	Max Single Display Resolution	Total Graphics Power	EOL Time Frame	MTBF (@25°C)
NVIDIA AMPERE ARCHITECTURE																	
NVIDIA RTX A500	NRTXA500-4G-45W-B	MXM 3.1 Type A	PCIE 4.0 x4	2,048	16 Gen2	64 Gen3	1,155 MHz	1,777 MHz @45W	64-bit 4GB GDDR6	112 GBps	–	7.3 TFLOPS	–	7,680 x 4,320 @60MHz	45W	-Q1 2027	-133,785 hrs
NVIDIA RTX A1000	NRTXA1000-60W-KIT	MXM 3.1 Type A	PCIE 4.0 x4 / x8	2,048	16 Gen2	64 Gen3	1,192 MHz	1,627 MHz @60W	128-bit 4GB GDDR6	224 GBps	–	6.7 TFLOPS	4x DisplayPort 1.2, 1.4, HDMI2.1	7,680 x 4,320 @60MHz	60W	-Q1 2027	-109,809 hrs
NVIDIA RTX A2000	NRTXA2000-8G-50W-B	MXM 3.1 Type A	PCIE 4.0 x4 / x8	2,560	20 Gen2	80 Gen3	1,087 MHz	1,552 MHz @50W Max-Q	128-bit 8GB GDDR6	224 GBps	Supported	7.9 TFLOPS	4x DisplayPort 1.2, 1.4, HDMI2.1	7,680 x 4,320 @60MHz	50W Max-Q	-Q1 2027	-109,809 hrs
NVIDIA RTX A1000	NRTXA1000-4G-80W-B	MXM 3.1 Type B	PCIE 4.0 x4 / x8	2,048	16 Gen2	64 Gen3	1,470 MHz	1,822 MHz @80W	128-bit 4GB GDDR6	224 GBps	–	7.5 TFLOPS	4x DisplayPort 1.2, 1.4, HDMI2.1	7,680 x 4,320 @60MHz	80W	-Q1 2027	-107,992 hrs
NVIDIA RTX A2000	NRTXA2000-8G-80W-B	MXM 3.1 Type B	PCIE 4.0 x4 / x8	2,560	20 Gen2	80 Gen3	1,387 MHz	1,815 MHz @80W	128-bit 8GB GDDR6	224 GBps	Supported	9.3 TFLOPS	4x DisplayPort 1.2, 1.4, HDMI2.1	7,680 x 4,320 @60MHz	80W	-Q1 2027	-107,984 hrs
NVIDIA RTX A4500	NRTXA4500-16G-125W-B	MXM 3.1 Type B	PCIE 4.0 x8 / x16	5,888	46 Gen2	184 Gen3	1,020 MHz	1,575 MHz @125W	256-bit 16GB GDDR6	512 GBps	Supported	18.5 TFLOPS	5x DisplayPort 1.2, 1.4, HDMI2.1	7,680 x 4,320 @60MHz	125W	-Q1 2027	-79,902 hrs
NVIDIA TURING ARCHITECTURE																	
NVIDIA Quadro T1000	QT1000-KIT	MXM 3.1 Type A	PCIE 3.0 x8 / x16	896	–	–	1,395 MHz	1,650 MHz @50W	128-bit 4GB GDDR6	192 GBps	–	3.0 TFLOPS	4x DisplayPort 1.2, 1.4b, HDMI2.0	7,680 x 4,320 @60MHz	50W	-Q1 2026	-89,594 hrs
NVIDIA Quadro RTX 3000	QRTX3000-KIT	MXM 3.1 Type B	PCIE 3.0 x8 / x16	1,920	30 Gen1	240 Gen2	945 MHz	1,380 MHz @80W	128-bit 6GB GDDR6	336 GBps	–	5.3 TFLOPS	5x DisplayPort 1.2, 1.4b, HDMI2.0	7,680 x 4,320 @60MHz	80W	-Q1 2026	-73,442 hrs
NVIDIA Quadro RTX 5000	QRTX5000-KIT	MXM 3.1 Type B	PCIE 3.0 x8 / x16	3,072	48 Gen1	384 Gen2	1,035 MHz	1,530 MHz @110W	128-bit 16GB GDDR6	448 GBps	–	9.5 TFLOPS	5x DisplayPort 1.2, 1.4b, HDMI2.0	7,680 x 4,320 @60MHz	110W	-Q1 2026	-68,260 hrs

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