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 500	NRTXPRO500-6G-60W	MXM 3.1 Type A	PCIE 4.0 x4 / x8	1 792	14 Gen4	56 Gen5	2 160 MHZ	2565 MHz @60W	6GB GDDR7 64-bit	288 GBps		9.2 TFLOPS	3 x DP 2.1a HDMI2.1b	7680 x 4320 @60Hz	60W	-Q3 2030	TBD
NVIDIA RTX PRO 2000	NRTXPRO2000-8G-60W	MXM 3.1 Type A	PCIE 4.0 x4 / x8	3 328	26 Gen4	104 Gen5	1 522 MHZ	2070 MHz @60W	8GB GDDR7 128-bit	384 GBps	Supported	13.8 TFLOPS	3 x DP 2.1a HDMI2.1b	7680 x 4320 @60Hz	60W	-Q3 2030	TBD
NVIDIA RTX PRO 2000	NRTXPRO2000-8G-100W	MXM 3.1 Type B	PCIE 4.0 x4 / x8	3 328	26 Gen4	104 Gen5	2 160 MHZ	2662 MHz @100W	8GB GDDR7 128-bit	384 GBps	Supported	17.7 TFLOPS	3 x DP 2.1a HDMI2.1b	7680 x 4320 @60Hz	100W	-Q3 2030	TBD
NVIDIA RTX PRO 4000	NRTXPRO4000-16G-150W	MXM 3.1 Type B*	PCIE 4.0 x8 / xl6	7 680	60 Gen4	240 Gen5	1 545 MHZ	2197 MHz @115W	16GB GDDR7 192-bit	896 GBps	Supported	33.7 TFLOPS	4 x DP 2.1a HDMI2.1b	7680 x 4320 @60Hz	150W	-Q3 2030	TBD
NVIDIA RTX PRO 5000	NRTXPRO5000-24G-150W	MXM 3.1 Type B*	PCIE 4.0 x8 / xl6	10 496	80 Gen4	320 Gen5	1 402 MHZ	1935 MHz @115W	24GB GDDR7 256-bit	896 GBps	Supported	40.6 TFLOPS	4 x DP 2.1a HDMI2.1b	7680 x 4320 @60Hz	150W	-Q3 2030	TBD
NVIDIA ADA LOVELACE ARCHITECTURE																	
NVIDIA RTX 2000 Ada	NRTX2000ADA-8G-60W	MXM 3.1 Type A	PCIE 4.0 x4 / x8	3 072	24 Gen3	96 Gen4	1,635 MHZ	2115 MHz @60W	8GB GDDR6 128-bit	256 GBps	Supported	13 TFLOPS	3 x DP 1.4a	7680 x 4320 @60Hz	60W	Q1 2028	-132 451 hrs
NVIDIA RTX 2000 Ada	NRTX2000ADA-8G-115W	MXM 3.1 Type B	PCIE 4.0 x4 / x8	3 072	24 Gen3	96 Gen4	2,295 MHZ	2395 MHz @115W	8GB GDDR6 128-bit	256 GBps	Supported	14.5 TFLOPS	3 x DP 1.4a	7680 x 4320 @60Hz	115W	Q1 2028	-130 029 hrs
NVIDIA RTX 3500 Ada	NRTX3500ADA-12G-115W	MXM 3.1 Type B	PCIE 4.0 x8 / x16	5 120	40 Gen3	160 Gen4	1725 MHz	2250 MHz @115W	12GB GDDR6 192-bit	432 GBps	Supported	23.0 TFLOPS	4 x DP 1.4a, HDMI2.1	7680 x 4320 @60Hz	115W	Q1 2028	-104 645 hrs
NVIDIA RTX 5000 Ada	NRTX5000ADA-16G-115W	MXM 3.1 Type B	PCIE 4.0 x8 / x16	9 728	76 Gen3	304 Gen4	1500 MHz	2190 MHz @125W	16GB GDDR6 256-bit	576 GBps	Supported	42.7 TFLOPS	4 x DP 1.4a, HDMI2.1	7680 x 4320 @60Hz	125W	Q1 2028	-95 196 hrs

* Please refer to a specification sheet or consult sales for mechanical requirement

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NVIDIA AMPERE ARCHITECTURE																	
NVIDIA RTX A500	NRTXA500-4G-45W	MXM 3.1 Type A	PCIE 4.0 x4	2 048	16 Gen2	64 Gen3	1155 MHz	1777 MHz @45W	64-bit 4GB GDDR6	112 GBps	–	7.3 TFLOPS	–	4096 x 2160 @60Hz	45W	Q1 2027	-133 785 hrs
NVIDIA RTX A1000	NRTXA1000-4G-60W	MXM 3.1 Type A	PCIE 4.0 x4 / x8	2 048	16 Gen2	64 Gen3	1192 MHz	1627 MHz @60W	128-bit 4GB GDDR6	224 GBps	–	6.7 TFLOPS	4 x DP 1.2, 1.4, HDMI2.1	4096 x 2160 @60Hz	60W	Q1 2027	-109 809 hrs
NVIDIA RTX A2000	NRTXA2000-8G-50W	MXM 3.1 Type A	PCIE 4.0 x4 / x8	2 560	20 Gen2	80 Gen3	1087 MHz	1552 MHz @50W Max-Q	128-bit 8GB GDDR6	224 GBps	Supported	7.9 TFLOPS	4 x DP 1.2, 1.4, HDMI2.1	4096 x 2160 @60Hz	50W Max-Q	Q1 2027	-109 809 hrs
NVIDIA RTX A1000	NRTXA1000-4G-80W	MXM 3.1 Type B	PCIE 4.0 x4 / x8	2 048	16 Gen2	64 Gen3	1470 MHz	1822 MHz @80W	128-bit 4GB GDDR6	224 GBps	–	7.5 TFLOPS	4 x DP 1.2, 1.4, HDMI2.1	4096 x 2160 @60Hz	80W	Q1 2027	-107 992 hrs
NVIDIA RTX A2000	NRTXA2000-8G-80W	MXM 3.1 Type B	PCIE 4.0 x4 / x8	2 560	20 Gen2	80 Gen3	1387 MHz	1815 MHz @80W	128-bit 8GB GDDR6	224 GBps	Supported	9.3 TFLOPS	4 x DP 1.2, 1.4, HDMI2.1	4096 x 2160 @60Hz	80W	Q1 2027	-107 984 hrs
NVIDIA RTX A4500	NRTXA4500-16G-125W	MXM 3.1 Type B	PCIE 4.0 x8 / x16	5 888	46 Gen2	184 Gen3	1020 MHz	1575 MHz @125W	256-bit 16GB GDDR6	512 GBps	Supported	18.5 TFLOPS	5 x DP 1.2, 1.4, HDMI2.1	4096 x 2160 @60Hz	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	–	–	1395 MHz	1650 MHz @50W	128-bit 4GB GDDR6	192 GBps	–	3.0 TFLOPS	4 x DP 1.2, 1.4b, HDMI2.0	4096 x 2160 @60Hz	50W	Q1 2028	-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	1380 MHz @80W	128-bit 6GB GDDR6	336 GBps	–	5.3 TFLOPS	5 x DP 1.2, 1.4b, HDMI2.0	4096 x 2160 @60Hz	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	1035 MHz	1530 MHz @110W	128-bit 16GB GDDR6	448 GBps	–	9.5 TFLOPS	5 x DP 1.2, 1.4b, HDMI2.0	4096 x 2160 @60Hz	110W	Q1 2026	-68 260 hrs

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