NVIDIA PROFESSIONAL GRAPHICS

Linecard

Products	PNY Part #	NVIDIA Part #	GPU Memory	Memory Bandwith	CUDA Cores	Tensor Cores	RT Cores	Dimensions	Power & Thermal	Display Connectors	Max Displays	VR Ready	Quadro Sync II	NVLink	Hardware FP64	SFF
NVIDIA PROFESSIONAL GRAPHICS ULTRA HIGH END																
NVIDIA RTX™ 6000 Ada	VCNRTX6000ADA-PB VCNRTX6000ADASYNC-PB	900-5G133-1750-000	48GB GDDR6 ECC	960 GB/s	18176	568	142	4.4" x 10.5" FH | DS	300 W - Active	DP 1.4 (4)	4	•	•			
NVIDIA RTX™ 5000 Ada	VCNRTX5000ADA-PB VCNRTX5000ADASYNC-PB	900-5G132-1740-000	32GB GDDR6 ECC	576 GB/s	12800	400	100	4.4" x 10.5" FH | DS	250 W - Active	DP 1.4 (4)	4	•	•			
NVIDIA RTX™ A6000	VCNRTXA6000-PB	900-5G133-1700-000	48GB GDDR6 ECC	768 GB/s	10752	336	84	4.4" x 10.5" FH | DS	300 W - Active	DP 1.4 (4)	4	•	•	•		
NVIDIA® A800 40GB Active	VCNA800-PB	900-51001-1700-000	40GB HBM2 ECC	1555.2 GB/s	6912	432	-	4.4" x 10.5" FH | DS	240 W	None Requires companion NVIDIA RTX 4000 Ada, RTX A4000 or T1000 8GB	4 When Used with Companion Card	When Used with NVIDIA RTX 4000 Ada or RTX A4000		•	•	
NVIDIA RTX™ A5500	VCNRTXA5500-PB	900-5G132-1770-000	24GB GDDR6 ECC	768 GB/s	10240	320	80	4.4" H x 10.5" FH | DS	230 W - Active	DP 1.4 (4)	4	•	•	•		
NVIDIA PROFESSIONAL GRAPHICS HIGH END																
NVIDIA RTX™ A5000	VCNRTXA5000-PB	900-5G132-1700-000	24GB GDDR6 ECC	768 GB/s	8192	256	64	4.4" x 10.5" FH | DS	230 W - Active	DP 1.4 (4)	4	•	•	•		
NVIDIA RTX™ 4500 Ada	VCNRTX4500ADA-PB VCNRTX4500ADASYNC-PB	900-5G132-1760-000	24GB GDDR6 ECC	432 GB/s	7680	240	60	4.4" x 10.5" FH | DS	210 W - Active	DP 1.4 (4)	4	•	•			
NVIDIA RTX™ A4500	VCNRTXA4500-PB	900-5G132-1750-000	20GB GDDR6 ECC	640 GB/s	7168	224	56	4.4" x 10.5" FH | DS	200 W - Active	DP 1.4 (4)	4	•	•	•		
NVIDIA RTX™ 4000 Ada	VCNRTX4000ADA-PB VCNRTX4000ADASYNC-PB	900-5G190-1770-000	20GB GDDR6 ECC	360 GB/s	6144	192	48	4.4" x 9.5" FH | SS	130 W - Active	DP 1.4 (4)	4	•	•			
NVIDIA PROFESSIONAL GRAPHICS MID RANGE																
NVIDIA RTX™ 4000 SFF Ada	VCNRTX4000ADALP-PB	900-5G192-1770-000	20GB GDDR6 ECC	320 GB/s	6144	192	48	4.7" x 6.6" LP | DS	70 W - Active	mDP 1.4 (4)	4	•	•			•
NVIDIA RTX™ 2000 Ada	VCNRTX2000ADALP-PB	900-5G192-1740-000	16GB GDDR6 ECC	224 GB/s	2816	88	22	2.7" x 6.6" LP | DS	70 W - Active	DP 1.4 (4)	4	•				•
NVIDIA RTX™ A4000	VCNRTXA4000-PB	900-5G190-1700-000	16GB GDDR6 ECC	448 GB/s	6144	192	48	4.44" x 9.5" FH | SS	140 W - Active	DP 1.4 (4)	4	•	•			•
NVIDIA RTX™ A2000 12GB	VCNRTXA200012GB-PB	900-5G192-1750-000	12GB GDDR6 ECC	288 GB/s	3328	104	26	2.713" x 6.6" LP | DS	70 W - Active	mDP (4)	4	•				•
NVIDIA RTX™ A1000	VCNRTXA1000	900-5G172-2280-000	8GB GDDR6	192 GB/s	2304	72	18	2.7" x 6.4" LP | SS	50 W - Active	mDP 1.4 (4)	4	•				•
NVIDIA® T1000 8GB	VCNT10008GB-PB	900-5G172-1770-000	8GB GDDR6	160 GB/s	896	-	-	2.713" x 6.137" LP | SS	50 W - Active	mDP (4)	4					•
NVIDIA PROFESSIONAL GRAPHICS ENTRY LEVEL																
NVIDIA RTX™ A400	VCNRTXA400	900-5G172-2260-000	4GB GDDR6	96 GB/s	768	24	6	2.7" x 6.4" LP | SS	50 W - Active	mDP 1.4 (4)	4	•				•
NVIDIA® T400 4GB	VCNT4004GB-PB	900-5G172-1740-000	4GB GDDR6	80 GB/s	384	-	-	2.713" x 6.137" LP | SS	30 W - Active	mDP (3)	4[1]					•

[1] NVIDIA® T400 4GB can drive four DisplayPort displays via multi-stream transport (MST).

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PNY 3 YEAR WARRANTY

Contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/PRO-GRAPHICS

Part Numbers Include:

-PB = NVIDIA GPU and accessories
-SB = NVIDIA GPU only
-BLK = Multi-pack NVIDIA GPUs and accessories
-EDU = NVIDIA GPU and auxiliary power cable

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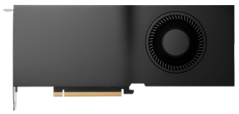
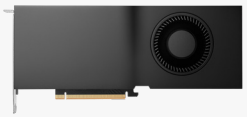
NVIDIA PROFESSIONAL GRAPHICS

Desktop Workstation Portfolio

Largest CAD/3D/AI models, CAE, photorealistic interactive ray tracing of complex scenes, seismic exploration, 8K DCC, DL & ML	 **NVIDIA RTX™ 6000 Ada Generation** *48GB*				
Large/complex CAD/3D/AI models and assemblies, seismic exploration, complex, DCC effects, ray-traced renders	 **NVIDIA RTX™ 5000 Ada Generation** *32GB*	 **NVIDIA RTX™ A6000 Ampere** *48GB*	 **NVIDIA® A800 40GB Active Ampere** *40GB*		
Large/complex CAD/3D models and assemblies, entry AI datasets; special effects; interactive ray tracing; simulation	 **NVIDIA RTX™ 4500 Ada Generation** *24GB*	 **NVIDIA RTX™ 4000 Ada Generation** *20GB*	 **NVIDIA RTX™ A5000 Ampere** *24GB*	 **NVIDIA RTX™ A4500 Ampere** *20GB*	 **NVIDIA RTX™ A4000 Ampere** *16GB*
Small to mid-size CAD/3D models, AI and ray tracing capabilities for creative/design apps, VR Ready	 **NVIDIA RTX™ 4000 SFF Ada Generation** *20GB**	 **NVIDIA RTX™ 2000 Ada Generation** *16GB*	 **NVIDIA RTX™ A2000** *12GB**		
Component Design, Basic DCC, PLM, Multi-App Knowledge Worker	 **NVIDIA RTX™ A1000** *8GB**	 **NVIDIA RTX™ A400** *4GB**	 **NVIDIA® T400** *4GB**	 **NVIDIA® T1000** *8GB**	 **NVIDIA® T1000** *4GB**

*** Small Form Factor**

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