NVIDIA PROFESSIONAL GRAPHICS

Linecard

Products	Part Numbers	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 VCNRTXA6000ADA-SB VCNRTX6000ADA-BLK VCNRTX6000ADA-EDU 900-5G133-2250-000 900-5G133-1750-000 YVCNRTX6000ADA-KIT VCNRTX6000ADASYNC-PB	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 YVCNRTX5000ADA-KIT VCNRTX5000ADA-EDU VCNRTX5000ADA-BLK VCNRTX5000ADASYNC-PB 900-5G133-1750-000 900-5G133-2550-000	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 VCNRTXA6000-SB VCNRTXA6000-TAA VCNRTXA6000-BLK VCNRTXA6000-EDU 900-5G133-2200-000 900-5G133-1700-000	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 YVCNA800-KIT VCNA800-BLK	40GB HBM2 ECC	1555.2 GB/s	6912	432	-	4.5" x 10.5" FH | DS	240 W	None Requires Companion NVIDIA T1000 8GB or RTX A4000	4 When Used with Companion Card	When Used with RTX A4000 as a daughter-board		•	•	
NVIDIA RTX™ A5500	VCNRTXA5500-PB VCNRTXA5500-SB VCNRTXA5500-BLK VCNRTXA5500-EDU 900-5G132-2270-000 900-5G132-1770-000	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 VCNRTXA5000-SB VCNRTXA5000-BLK VCNRTXA5000-EDU 900-5G132-2200-000 900-5G132-1700-000	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 YVCNRTX4500ADA-KIT VCNRTX4500ADA-EDU VCNRTX4500ADA-BLK VCNRTX4500ADASYNC-PB 900-5G132-1760-000 900-5G132-2560-000	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 VCNRTXA4500-SB VCNRTXA4500-BLK VCNRTXA4500-EDU 900-5G500-2200-000 900-5G500-1700-000	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 YVCNRTX4000ADA-KIT VCNRTX4000ADA-EDU VCNRTX4000ADA-BLK VCNRTX4000ADASYNC-PB 900-5G190-1770-000 900-5G190-2570-000	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 VCNRTX4000ADALP-SB VCNRTX4000ADALP-BLK VCNRTX4000ADALP-EDU 900-5G192-2571-000 900-5G192-1770-000	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™ A4000	VCNRTXA4000-PB VCNRTXA4000-SB VCNRTXA4000-TAA VCNRTXA4000-BLK 900-5G190-2200-000 900-5G190-1700-000 900-5G190-1700-E00	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 VCNRTXA200012GB-SB VCNRTXA200012GB-BLK 900-5G192-2251-000 900-5G192-1751-000	12GB GDDR6 ECC	288 GB/s	3328	104	26	2.713" x 6.6" LP | DS	70 W - Active	mDP (4)	4	•				•
NVIDIA® T1000 8GB	VCNT10008GB-PB VCNT10008GB-SB VCNT10008GB-BLK 900-5G172-2271-000 900-5G172-1771-000	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® T400 4GB	VCNT4004GB-PB VCNT4004GB-SB VCNT4004GB-BLK 900-5G172-2251-000 900-5G172-1751-000	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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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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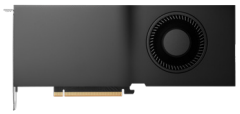
NVIDIA PROFESSIONAL GRAPHICS

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™ A2000** *12GB**				
Component Design, Basic DCC, PLM, Multi-App Knowledge Worker	 **NVIDIA® T400** *4GB**	 **NVIDIA® T1000** *8GB**	 **NVIDIA® T1000** *4GB**			

*** Small Form Factor**

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