

NVIDIA RTX Professional Graphics Cards

NVIDIA RTX PRO™ Blackwell Desktop GPUs feature the latest breakthroughs in AI, ray tracing, and neural rendering technology to power the most innovative workflows in design, engineering, and beyond.



NVIDIA Blackwell Architecture

The NVIDIA Blackwell architecture is the engine of AI that combines breakthrough AI, ray tracing and neural graphics technology to create a new standard of visual fidelity and performance.

Fourth-Generation RT Cores

Fourth-Generation RT Cores deliver up to 2x the performance of the previous generation.

Fifth-Generation Tensor Cores

Fifth-Generation Tensor Cores deliver up to 3x the performance of the previous generation and add support for FP4 precision and DLSS 4 multi-frame generation technology.

PRODUCTS	PNY PART #	NVIDIA PART #	ARCHITECTURE	GPU MEMORY	MEMORY BANDWIDTH	CUDA CORES	TENSOR CORES	RT CORES
NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition	VCNRTXPRO6000B-PB VCNRTXPRO6000B-BLK	900-5G144-2200-000	Blackwell Generation	96GB GDDR7 ECC	1792 GB/s	24064	752	188
NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition	VCNRTXPRO6000BQ-PB VCNRTXPRO6000BQ-BLK	900-5G153-2200-000	Blackwell Generation	96GB GDDR7 ECC	1792 GB/s	24064	752	188
NVIDIA RTX PRO™ 5000 Blackwell	VCNRTXPRO5000B-PB VCNRTXPRO5000B-BLK	900-5G153-2250-000	Blackwell Generation	48GB GDDR7 ECC	1344 GB/s	14080	440	100
NVIDIA RTX™ 6000 Ada	VCNRTX6000ADA-PB VCNRTX6000ADASYNC-PB	900-5G133-2250-000	Ada Generation	48GB GDDR6 ECC	960 GB/s	18176	568	142
NVIDIA RTX™ 5000 Ada	VCNRTX5000ADA-PB VCNRTX5000ADASYNC-PB	900-5G132-2240-000	Ada Generation	32GB GDDR6 ECC	576 GB/s	12800	400	100
NVIDIA RTX™ A6000	VCNRTXA6000-PB	900-5G133-1700-000	Ampere	48GB GDDR6 ECC	768 GB/s	10752	336	84
NVIDIA® A800 40GB Active	VCNA800-PB	900-51001-2200-000	Ampere	40GB HBM2 ECC	1555.2 GB/s	6912	432	-
NVIDIA RTX™ A5500	VCNRTXA5500-PB	900-5G132-1770-000	Ampere	24GB GDDR6 ECC	768 GB/s	10240	320	80
NVIDIA RTX™ A5000	VCNRTXA5000-PB	900-5G132-1700-000	Ampere	24GB GDDR6 ECC	768 GB/s	8192	256	64
NVIDIA RTX PRO™ 4500 Blackwell	VCNRTXPRO4500B-PB VCNRTXPRO4500B-BLK	900-5G147-2250-000	Blackwell Generation	32GB GDDR7 ECC	896 GB/s	10496	328	82
NVIDIA RTX™ 4500 Ada	VCNRTX4500ADA-PB VCNRTX4500ADASYNC-PB	900-5G132-2260-000	Ada Generation	24GB GDDR6 ECC	432 GB/s	7680	240	60
NVIDIA RTX™ A4500	VCNRTXA4500-PB	900-5G132-1750-000	Ampere	20GB GDDR6 ECC	640 GB/s	7168	224	56
NVIDIA RTX™ 4000 Ada	VCNRTX4000ADA-PB VCNRTX4000ADASYNC-PB	900-5G190-2270-000	Ada Generation	20GB GDDR6 ECC	360 GB/s	6144	192	48
NVIDIA RTX PRO™ 4000 Blackwell	VCNRTXPRO4000B-PB VCNRTXPRO4000B-BLK	900-5G147-2270-000	Blackwell Generation	24GB GDDR7 ECC	672 GB/s	8960	280	70
NVIDIA RTX™ 4000 SFF Ada	VCNRTX4000ADALP-PB	900-5G192-2270-000	Ampere	20GB GDDR6 ECC	320 GB/s	6144	192	48
NVIDIA RTX™ A4000	VCNRTXA4000-PB	900-5G190-1700-000	Ampere	16GB GDDR6 ECC	448 GB/s	6144	192	48
NVIDIA RTX™ 2000 Ada	VCNRTX2000ADA-PB	900-5G192-2240-000	Ada Generation	16GB GDDR6 ECC	224 GB/s	2816	88	22
NVIDIA RTX™ 2000E Ada	VCNRTX2000ADAS-LLP VCNRTX2000EADA	900-5G192-2220-E00	Ada Generation	16GB GDDR6 ECC	224 GB/s	2816	88	22
NVIDIA® T1000 8GB	VCNT10008GB-PB	900-5G172-2270-000	Turing	8GB GDDR6	160 GB/s	896	-	-
NVIDIA® T400 4GB	VCNT4004GB-PB	900-5G172-2240-000	Turing	4GB GDDR6	80 GB/s	384	-	-

For more information, contact a **PNY Account Manager** or email: GOPNY@PNY.COM or visit WWW.PNY.COM/NVIDIA-RTX

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NVIDIA GeForce RTX 50 Series



Powered by NVIDIA® Blackwell, GeForce RTX™ 50 Series GPUs bring game-changing capabilities to gamers and creators. Equipped with a massive level of AI horsepower, the RTX 50 Series enables new experiences and next-level graphics fidelity. Multiply performance with NVIDIA DLSS 4, generate images at unprecedented speed, and unleash your creativity with NVIDIA Studio.

NVIDIA Blackwell Architecture: The Ultimate Platform for Gamers and Creators

New Streaming Multiprocessors
Optimized for neural shaders

Fifth-Gen Tensor Cores
Max AI performance with FP4 and DLSS 4

Fourth-Gen Ray Tracing Cores
Built for Mega Geometry

GEFORCE RTX 50 SERIES PRODUCT	PNY PART NUMBER	MEMORY	CUDA CORES	RT CORES	TENSOR CORES
PNY GeForce RTX™ 5090 EPIC-X ARGB™ Triple Fan Graphics	VCG509032TFXXPB1-O VCG509032TFXXPB1	32GB GDDR7	21760	4th Gen 318 TFLOPS	5th Gen 3352 TFLOPS
PNY GeForce RTX™ 5090 Triple Fan Graphics	VCG509032TFXPB1-O VCG509032TFXPB1	32GB GDDR7	21760	4th Gen 318 TFLOPS	5th Gen 3352 TFLOPS
PNY GeForce RTX™ 5080 EPIC-X ARGB™ Triple Fan Graphics	VCG508016TFXXPB1-O VCG508016TFXXPB1	16GB GDDR7X	10752	4th Gen 171 TFLOPS	5th Gen 1801 TFLOPS
PNY GeForce RTX™ 5080 Triple Fan Graphics	VCG508016TFXPB1-O VCG508016TFXPB1	16GB GDDR7X	10752	4th Gen 171 TFLOPS	5th Gen 1801 TFLOPS
PNY GeForce RTX™ 5070 Ti EPIC-X ARGB™ Triple Fan Graphics	VCG5070T16TFXXPB1-O VCG5070T16TFXXPB1	16GB GDDR7X	8960	4th Gen 133 TFLOPS	5th Gen 1406 TFLOPS
PNY GeForce RTX™ 5070 Ti Triple Fan Graphics	VCG5070T16TFXPB1-O VCG5070T16TFXPB1	16GB GDDR7X	8960	4th Gen 133 TFLOPS	5th Gen 1406 TFLOPS
PNY GeForce RTX™ 5070 EPIC-X ARGB™ Triple Fan Graphics	VCG507012TFXXPB1-O VCG507012TFXXPB1	12GB GDDR7X	6144	4th Gen 94 TFLOPS	5th Gen 988 TFLOPS
PNY GeForce RTX™ 5070 Triple Fan Graphics	VCG507012TFXPB1-O VCG507012TFXPB1	12GB GDDR7X	6144	4th Gen 94 TFLOPS	5th Gen 988 TFLOPS
PNY GeForce RTX™ 5060 Ti EPIC-X ARGB™ Triple Fan Graphics	VCG5060T16TFXXPB1-O VCG5060T16TFXXPB1 VCG5060T8TFXXPB1-O VCG5060T8TFXXPB1	16GB GDDR7 8GB GDDR7	4608	4th Gen 72 TFLOPS	5th Gen 759 TFLOPS
PNY GeForce RTX™ 5060 Ti Dual Fan Graphics	VCG5060T16DFXPB1-O VCG5060T16DFXPB1 VCG5060T8DFXPB1-O VCG5060T8DFXPB1	16GB GDDR7 8GB GDDR7	4608	4th Gen 72 TFLOPS	5th Gen 759 TFLOPS
PNY GeForce RTX™ 5060 EPIC-X ARGB™ Triple Fan Graphics	VCG50608TFXXPB1-O	8GB GDDR7	3840	4th Gen 58 TFLOPS	5th Gen 614 TFLOPS
PNY GeForce RTX™ 5060 Dual Fan Graphics	VCG50608DFXPB1-O VCG50608DFXPB1	8GB GDDR7	3840	4th Gen 58 TFLOPS	5th Gen 614 TFLOPS
PNY GeForce RTX™ 5060 Single Fan Graphics	VCG50608SFXPB1	8GB GDDR7	3840	4th Gen 58 TFLOPS	5th Gen 614 TFLOPS

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