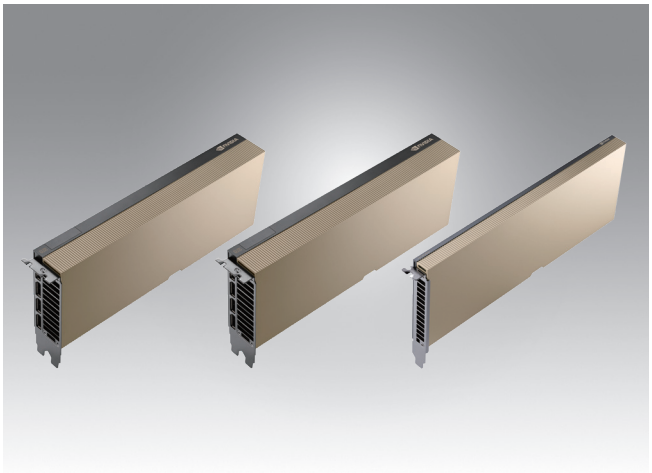
SKY-TESL-6000BS-96
SKY-TESL-6000DB-84
SKY-TESL-4500BS-32

RTX PRO 6000 Blackwell Server Edition

RTX PRO 6000D Blackwell Server Edition

RTX PRO 4500 Blackwell Server Edition



SKY-TESL-6000BS-96 SKY-TESL-6000DB-84 SKY-TESL-4500BS-32

Features

- NVIDIA Blackwell architecture
- Fifth-generation Tensor Cores with FP4 precision
- Fourth-generation RT Cores
- Up to 96 GB of GDDR7 memory with ECC
- Up to 1,597 GB/s of memory bandwidth
- Ninth-generation NVENC and sixth-generation NVDEC
- PCIe 5.0 interconnect
- Multi-Instance GPU (MIG) support

Introduction

The NVIDIA RTX PRO Blackwell Server Edition series—featuring the ultra-powerful RTX PRO 6000 and 6000D Blackwell, as well as the energy-efficient RTX PRO 4500 Blackwell—delivers breakthrough performance and flexibility to accelerate a wide array of enterprise data center workloads. Built on the revolutionary NVIDIA Blackwell architecture, this product line is designed to scale across data center, edge, and cloud deployments.

To meet diverse enterprise needs, the NVIDIA RTX PRO 6000 and 6000D Blackwell Server Edition GPUs provide exceptional compute power, memory capacity, and throughput for the most demanding environments. Engineered with a passive thermal design for high-density servers, they accelerate demanding, mission-critical workloads such as multimodal AI inference, complex rendering, and scientific computing. For deployments prioritizing space and power savings, the NVIDIA RTX PRO 4500 Blackwell Server Edition serves as an energy-efficient, multi-workload accelerator in a compact, single-slot form factor. It delivers flexible performance optimized for agile data processing, AI video, and seamless streaming.

Specifications

Product Name	RTX PRO 6000 Blackwell Server Edition	RTX PRO 6000D Blackwell Server Edition	RTX PRO 4500 Blackwell Server Edition
Advantech PN	SKY-TESL-6000BS-96	SKY-TESL-6000DB-84	SKY-TESL-4500BS-32
GPU Architecture	Blackwell	Blackwell	Blackwell
CUDA Cores	24,064	19,968	10,496
Tensor Cores	752 (5th Gen)	TBC	328 (5th Gen)
RT Cores	188 (4th Gen)	TBC	82 (4th Gen)
GPU Base / Boost Clock	1,852 MHz / 2,430 MHz	1,852 MHz / 2,430 MHz	1,215 MHz / 2,415 MHz
FP32 Performance	120 TFLOPS	97 TFLOPS	51 TFLOPS
AI TOPS	4,000 AI TOPS	TBC	1,600 AI TOPS
Memory Capacity	96 GB GDDR7 with ECC	84 GB GDDR7 with ECC	32 GB GDDR7 with ECC
Memory Interface	512-bit	448-bit	256-bit
Memory Bandwidth	1,597 GB/s	1,398 GB/s	800 GB/s
Max Power Consumption	600 W	600 W	165 W
Thermal Solution	Passive	Passive	Passive
Form Factor	4.4" H x 10.5" L, dual slot, full height	4.4" H x 10.5" L, dual slot, full height	4.4" H x 10.5" L, single slot, full height
NVLink	-	-	-
vGPU Support	Yes (vGPU 19.0+)	Yes	Yes (vGPU 20.0+)
System Interface	PCIe 5.0 x16	PCIe 5.0 x16	PCIe 5.0 x16
Power Connector	1x 16-pin (12V-2x6)	1x 16-pin (12V-2x6)	1x 16-pin (12V-2x6)
Display Connectors	4x DP 2.1b	4x DP 2.1b	-
Media Acceleration	4x NVENC (9th Gen, AV1) 4x NVDEC (6th Gen, AV1)	TBC	3x NVENC (9th Gen, AV1) 3x NVDEC (6th Gen, AV1)
Multi-Instance GPU	Up to 4 instances @ 24 GB	Up to 2 instances	Up to 2 instances @ 16 GB
Operating Temperature	10°C to 45°C	10°C to 45°C	10°C to 45°C
Storage Temperature	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C

All product specifications are subject to change without notice.

Last updated: 23-Nov-2026