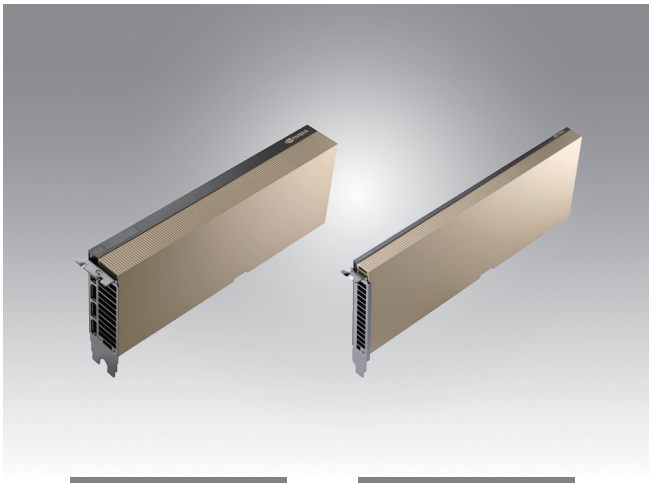
SKY-TESL-6000BS-96
SKY-TESL-4500BS-32

RTX PRO 6000 Blackwell Server Edition

RTX PRO 4500 Blackwell Server Edition



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Features

- NVIDIA Blackwell Architecture
- Fifth-Generation Tensor Cores with FP4 precision
- Fourth-Generation Ray Tracing Cores
- Up to 96 GB of GDDR7 memory with ECC
- Up to 1597 GB/s of memory bandwidth
- Ninth-Generation NVENC and Sixth-Generation NVDEC
- PCIe Gen 5 interconnect
- Multi-Instance GPU (MIG) support

Introduction

The NVIDIA RTX PRO Blackwell Server Edition series—featuring the ultra-powerful RTX PRO 6000 Blackwell and 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 Blackwell Server Edition provides unparalleled compute power, memory capacity, and throughput for the most demanding environments. Engineered with a passive thermal design for high-density servers, it accelerates mission-critical, heavy 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 within a compact, single-slot form factor. It delivers flexible performance highly optimized for agile data processing, AI video, and seamless streaming.

Specifications

Product Name	RTX PRO 6000 Blackwell Server Edition	RTX PRO 4500 Blackwell Server Edition
Advantech PN	SKY-TESL-6000BS-96	SKY-TESL-4500BS-32
GPU Architecture	Blackwell	Blackwell
CUDA Cores	24,064	10,496
Tensor Cores	752 (5th Gen)	328 (5th Gen)
RT Cores	188 (4th Gen)	82 (4th Gen)
FP32 Performance	120 TFLOPS	51 TFLOPS
Memory Capacity	96 GB GDDR7 with ECC	32 GB GDDR7 with ECC
Memory Interface	512-bit	256-bit
Memory Bandwidth	1,597 GB/s	800 GB/s
Max Power Consumption	600 W	165 W
Form Factor	4.4" H x 10.5" L, dual slot, full height	4.4" H x 10.5" L, single slot, full height
NVLink	-	-
System Interface	PCIe 5.0 x16	PCIe 5.0 x16
Power Connector	1x PCIe CEM 5.0 16-pin	1x PCIe CEM 5.0 16-pin
Display Connectors	4x DP 2.1	-
Media Acceleration	4x NVENC 4x NVDEC	3x NVENC 3x NVDEC
Multi-Instance GPU	up to 4x MIGs @ 24GB	up to 2x MIGs @ 16GB
Operating Temperature	10°C to 45°C	10°C to 45°C

https://advvee.com

All product specifications are subject to change without notice.