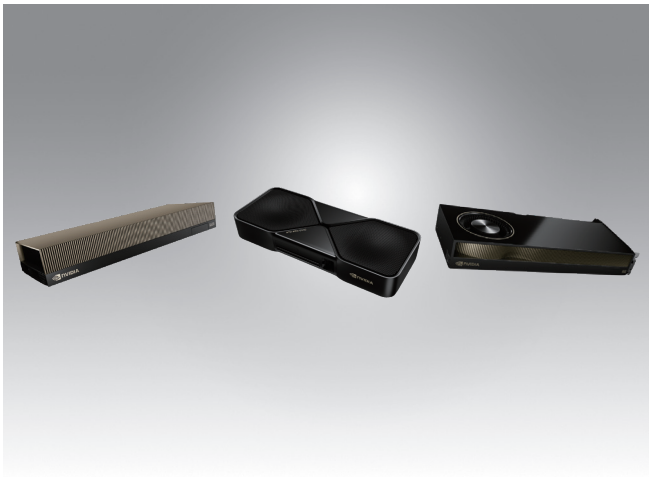
SKY-TESL-6000BS-96
SKY-QUAD-6000B-96
SKY-QUAD-6000QB-96

RTX PRO 6000 Blackwell Server Edition

RTX PRO 6000 Blackwell Workstation Edition

RTX PRO 6000 Blackwell Max-Q Workstation Edition



SKY-TESL-6000BS-96 | SKY-QUAD-6000B-96 | SKY-QUAD-6000QB-96

Features

- NVIDIA Blackwell GPU architecture
- 96 GB GDDR7 memory with ECC
- Multi-instance GPU (MIG) support
- AI Management Processor
- 5th Tensor Cores support FP4
- 4th Ray Tracing Cores
- Enterprise Reliability

Introduction

The NVIDIA RTX PRO™ 6000 Blackwell Server Edition is the ultimate data center GPU for AI and visual computing, delivering breakthrough acceleration for the most demanding enterprise workloads, from multimodal AI inference and physical AI to scientific computing, graphics, and video applications.

The NVIDIA RTX PRO™ 6000 Blackwell and RTX PRO 6000 Max-Q deliver cutting-edge AI performance for professionals in research, engineering, and content creation. Built on the Blackwell architecture, they provide 96 GB of GDDR7 memory, and multi-GPU scalability for seamless fine-tuning of LLMs, real-time rendering, and large-scale simulations. With FP4-enabled Tensor Cores, advanced ray tracing, and high-bandwidth memory, they accelerate AI model training, neural rendering, and scientific computing. Whether optimizing AI assistants, simulating real-world physics, or developing generative AI, these GPUs redefine performance for the next wave of AI innovation.

Specifications

Product Name	RTX PRO 6000 Blackwell Server Edition	RTX PRO 6000 Blackwell Workstation Edition	RTX PRO 6000 Blackwell Max-Q Workstation Edition
Advantech PN	SKY-TESL-6000BS-96	SKY-QUAD-6000B-96	SKY-QUAD-6000QB-96
Memory Size	96 GB GDDR7 with ECC	96 GB GDDR7 with ECC	96 GB GDDR7 with ECC
Memory Interface	512-bit	512-bit	512-bit
Memory Bandwidth	1.6 TB/s	1792 GB / s	1792 GB / s
NVIDIA CUDA Cores	24,064	24,064	24,064
Tensor Cores	752	752	752
RT Cores	188	188	188
Single-Precision Performance	117 TFLOPS	125 TFLOPS	110 TFLOPS
System Interface	PCI Express 5.0 x 16	PCI Express 5.0 x 16	PCI Express 5.0 x 16
Max Power Consumption	400W – 600W (configurable)	600W	300W
Thermal solution	Passive	Double-flow-through	Active
Multi-Instance GPU	4	4	4
Form Factor	4.4 inches (H) x 10.5 inches (L) Dual slot, Full height	5.4 inches (H) x 12 inches (L) Dual slot, Extra height	4.4 inches (H) x 10.5 inches (L) Dual slot, Full height
Display Connectors	-	4 x DisplayPort 2.1	4 x DisplayPort 2.1
Max Simultaneous Displays	-	4x 4096 x 2160 @ 120 Hz 4x 5120 x 2880 @ 60 Hz 2x 7680 x 4320 @ 60 Hz	4x 3840 x 2160 @ 165 Hz 2x 7680 x 4320 @ 100 Hz
Graphics APIs	-	DirectX 12 Shader Model 6.6 OpenGL 4.6 Vulkan 1.3	DirectX 12 Shader Model 6.6 OpenGL 4.6 Vulkan 1.3
Compute APIs	CUDA 11.6, OpenCL 3.0, DirectCompute	CUDA 11.6, OpenCL 3.0, DirectCompute	CUDA 11.6, OpenCL 3.0, DirectCompute
Power Connector	1x PCIe CEM5 16-Pin	1x PCIe CEM5 16-Pin	1x PCIe CEM5 16-Pin
Power Adapter Cable Included	No	Yes	Yes
Power Adapter Interface	-	4 x PCIe 8-Pin	2 x PCIe 8-Pin
Accessory bag	-	-	-

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All product specifications are subject to change without notice.