

SC-PQB4000

PNY RTX Pro 4000 NVIDIA RTX 4000 Blackwell 24GB GDDR6 192-bit Professional Graphics Card

Product Overview

PNY RTX Pro 4000 - NVIDIA RTX 4000 Blackwell, 24GB GDDR6, PCI-E 4.0, AI acceleration, ray tracing, 4608 CUDA cores



Specifications

Overview:

Experience the power of the most advanced single-slot GPU for professionals. Powered by NVIDIA Blackwell architecture, the NVIDIA RTX PRO 4000 delivers breakthrough AI performance, neural rendering, and unmatched efficiency.

Features:

- NVIDIA Blackwell Architecture
- 24 GB GDDR7 with ECC
- PCI Express 5.0 x16
- 4 x Display Port 2.1
- 8960 CUDA® Cores
- 140 W Max Power Consumption

Blackwell Streaming Multiprocessor (SM)

Blackwell is the most powerful professional RTX GPU ever created with the latest SM and CUDA core technology. The new SM features increased processing throughput, and new neural shaders that integrate neural networks inside of programmable shaders to drive the next decade of AI-augmented graphics innovations.

Ninth-Generation NVENC Engines

Ninth-gen NVIDIA NVENC engines significantly accelerate video encoding speed, and improve quality for professional video applications. They add new support for 4:2:2 H.264 and HEVC encoding, and improve HEVC and AV1 encoding quality.

Sixth-Generation NVDEC Engines

Sixth-gen NVIDIA NVDEC engines provide up to double the H.264 decoding throughput and offer support for 4:2:2 H.264 and HEVC decode. Professionals can benefit from high-quality video playback, accelerated video data ingestion, and use advanced AI-powered video editing features.

GDDR7 Memory

New and improved GDDR7 memory significantly boosts bandwidth and capacity, empowering your applications to run faster, and work with larger, more complex datasets. With up to 96 GB of GPU memory, tackle massive 3D and AI projects, explore large-scale VR environments, and drive larger multi-app workflows.

NVIDIA RTX PRO

Designed for professionals who demand the best, NVIDIA RTX PRO solutions deliver unparalleled performance, reliability, and support. Every GPU is rigorously tested for a wide range of design, engineering, and AI workflows and continually optimized through enterprise drivers. With extensive ISV certifications, robust IT management tools, and enterprise-grade support, RTX PRO workstations are the trusted choice for enterprise deployments and mission-critical work.

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. With massive performance and memory improvements to drive cutting-edge professional creative, design, and engineering workflows from anywhere.

NVIDIA Mosaic Technology

Transparently scale the desktop and applications across up to 4 GPUs and 16 displays from a single workstation while delivering full performance and image quality.

DisplayPort 1.4a

Support up to four 5K monitors @ 60Hz, or dual 8K displays @ 60Hz per card. The RTX 6000 Ada supports HDR color for 4K @ 60Hz for 10/12b HEVC decode and up to 4K @ 60Hz for 10b HEVC encode. Each DisplayPort connector can drive ultra-high resolutions of 4096x2160 @ 120 Hz with 30-bit color.

NVIDIA RTX Desktop Manager

Gain unprecedented end-user control of the desktop experience for increased productivity in a single large display or multi-display environments, especially in the current age of large, widescreen displays.

NVIDIA Quadro Sync II

Synchronize the display and image output of up to 32 displays³ from 8 GPUs (connected through two Sync II boards) in a single system, reducing the number of machines needed to create an advanced video visualization environment.

Frame Lock Connector Latch

Each frame lock connector is designed with a self-locking retention mechanism to secure its connection with the frame lock cable to provide robust connectivity and maximum productivity.

OpenGL Quad Buffered Stereo Support

Provide a smooth and immersive 3D Stereo experience for professional applications.

Ultra-High-Resolution Desktop Support

Get more Mosaic topology choices with high-resolution display devices with a 32K max desktop size.

Professional 3D Stereo Synchronization

Robust control of stereo effects through a dedicated connection to directly synchronize 3D stereo hardware to an NVIDIA RTX professional graphics card.

System Requirements:

- Intel Core i5, i7, i9, or Xeon processor or later
- AMD Ryzen or Epyc class processor or later
- PCI Express 5.0 x16 (preferred) expansion slot

ComX Computers

Product Specification Sheet

- System memory greater than or equal to GPU memory, twice the GPU memory recommended
- Internet connection for driver installation
- DisplayPort 2.1 (preferred), HDMI®, or DVI-compatible display(s)

Supported Platforms:

- Microsoft Windows 11 (64-bit)
- Microsoft Windows 10 (64-bit)
- Red Hat Enterprise Linux 7.x
- SUSE Linux Enterprise Desktop 15.x
- Fedora 31
- Ubuntu 18.04
- FreeBSD 11.x
- Solaris 11

Specifications:

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Specifications

Product Code	SC-PQB4000
Architecture	NVIDIA Blackwell Architecture
Foundry	TSMC
Process Size	4N NVIDIA Custom Process
Transistors	45.6 Billion
Die Size	378 mm
CUDA Parallel Processing Cores	8960
NVIDIA Tensor Cores	280
NVIDIA RT Cores	70
GPU Memory	24 GB GDDR7 with ECC
Memory Interface	192-bit
Max Power Consumption	140W
Graphics Bus	PCI Express 5.0 x16
Display Connectors	DP 2.1 (4)
Form Factor	4.4" H x 9.5" L, FHML Single Slot
Product Weight	.554 kg
Thermal Solution	Blower Active Fan
NVIDIA 3D Vision and 3D Vision Pro	Support Via 3-pin Mini DIN
Frame Lock	Compatible (with NVIDIA RTX PRO Sync)
Power Connector	1x PCIe CEM5 16-pin
NVENC, NVDEC, JPEG	2x, 2x, 1x

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/SC-PQB4000-PNY-RTX-Pro-4000-NVIDIA-RTX-4000-Blackwell-Buy-p-323144.php>

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