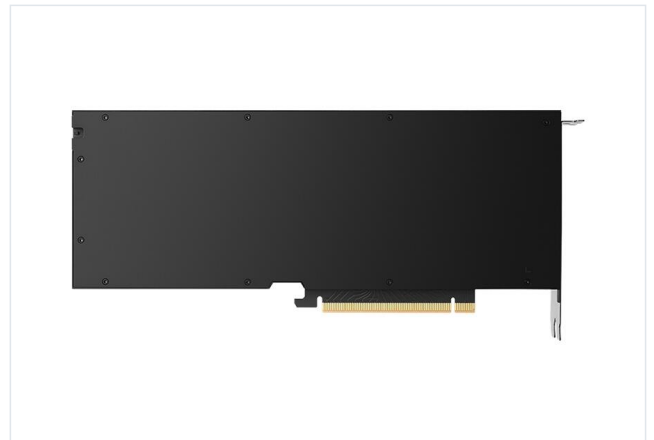


PNY_RTX A4500 ADA-PB

PNY nVidia RTX 4500 ADA 24GB GDDR6 ECC PCI Express 4.0 x16 192-bit Graphics card, DP

Product Overview

PNY nVidia RTX 4500 ADA 24GB GDDR6 ECC PCI Express 4.0 x16 192-bit Graphics card, 7680 CUDA parallel Processing Cores, 240 nVidia Tensor Cores, 60 nVidia RT Cores, 39.9 TFLOPS Single-Precision Performance, 92.2 TFLOPS RT Core Performance, 637.8 TFLOPS Tensor Performance, 210W Max Power consumption, 4x DisplayPort 1.4a, Dual slot, Blower Active fan





Specifications

Overview Summary:

The PNY NVIDIA RTX 4500 Ada 24GB graphics card delivers exceptional performance for professional users in South Africa. Built on the latest Ada Lovelace architecture, this GPU features 7680 CUDA cores, 240 Tensor cores, and 60 RT cores, making it ideal for 3D modeling, AI workloads, and photorealistic rendering. With 24GB of GDDR6 memory, PCIe 4.0 support, and a dual-slot blower fan design, it ensures smooth, efficient processing for demanding tasks. Shop now to upgrade your workstation with this high-performance graphics solution.

Perfect for multi-display setups, VR experiences, and complex simulations, the RTX 4500 Ada enables fast, interactive workflows and accelerates professional rendering and AI computations. Whether you're creating immersive AR/VR content, conducting engineering simulations, or performing data-intensive GPU computing, this card ensures reliable and efficient results. Buy now and enhance your creative and professional capabilities with cutting-edge GPU technology.

Performance tier:High-end professional

Uses:3D rendering, AI training, video encoding/decoding, CAD/CAE simulations, AR/VR content creation, multi-monitor professional workflows

Overview:

NVIDIA RTX 4500 Ada Generation Graphics Card for Professional Workstations

The NVIDIA RTX 4500 Ada Generation delivers unparalleled performance for professionals in 3D modeling, AI, simulation, and content creation. Built on the advanced Ada Lovelace architecture, this GPU combines powerful CUDA cores, third-generation RT cores, and fourth-generation Tensor cores to accelerate rendering, AI training, and real-time visualization. With 24GB of high-speed GDDR6 memory and support for multiple 8K displays, the RTX 4500 enables complex workflows and immersive environments, making it ideal for creative studios, engineering firms, and AR/VR applications.

Description:

This graphics card provides 7680 CUDA cores for high-performance computing, 240 Tensor cores for AI-driven workflows, and 60 RT cores for real-time ray tracing. It supports PCIe Gen4 for faster data transfer and includes dual-slot, blower-style cooling. Users can connect up to four DisplayPort 1.4a monitors and leverage advanced software support, including NVIDIA CUDA, RTX Experience, DLSS 3.0, and GPU Direct for Video, to optimize professional applications and creative projects. Its efficient design fits into various workstation chassis while delivering exceptional rendering, simulation, and visualization capabilities.

Features:

High-Speed Graphics and Computing

The Ada Lovelace architecture enhances the GPU with faster single-precision throughput and Shader Execution Reordering, improving performance for 3D modeling, engineering simulations, and compute-intensive tasks. CUDA cores accelerate workflows, while RT cores enable realistic ray-traced rendering at twice the previous generation's speed. Tensor cores provide AI acceleration for training, inference, and creative tools.

Advanced Video and Display Support

Equipped with dual encode and decode engines, the RTX 4500 supports the AV1 video format and multi-stream video applications. Its four mini-DisplayPort 1.4a outputs allow multiple high-resolution monitors for video walls, immersive environments, and professional visualization setups.

Optimized Memory and Data Handling

24GB of GDDR6 memory ensures smooth handling of large datasets, detailed 3D models, and complex simulations. PCIe Gen4 support boosts data transfer rates, enhancing performance in AI, data science, and graphics-heavy workflows. Unified memory enables seamless CPU and GPU collaboration for more efficient processing.

Immersive AR and VR Capabilities

The card supports high-resolution head-mounted displays and high-performance graphics for AR and VR content creation, training, and product visualization. Motion BVH hardware acceleration enables cinematic-quality motion blur without traditional rendering limitations.

AI-Powered Graphics and Streaming

NVIDIA DLSS 3.0 and the RTX Broadcast Engine enhance frame rates, image quality, and live streaming capabilities. AI features such as virtual backgrounds, webcam auto frame, and noise removal optimize both professional workflows and creative projects.

Professional Software Integration

NVIDIA RTX Experience provides desktop productivity tools, driver updates, and recording support. CUDA and GPU Direct platforms accelerate ray tracing, video processing, and computation tasks. Enterprise management tools allow remote monitoring, system optimization, and deployment of graphics resources across multiple workstations.

Specifications:

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Specifications	
Product Code	PNY_RTX A4500 ADA-PB
Product	NVIDIA RTX 4500 Ada Generation
Architecture	NVIDIA Ada Lovelace Architecture
Foundry	TSMC
Process Size	4 nm NVIDIA Custom Process
Transistors	35.8 billion
Die Size	294.5 mm2
CUDA Parallel Processing Cores	7680
NVIDIA Tensor Cores	240

ComX Computers

Product Specification Sheet

NVIDIA RT Cores	60
Single-Precision Performance	39.9 TFLOPS
RT Core Performance	92.2 TFLOPS
Tensor Performance	637.8 TFLOPS
GPU Memory	24 GB GDDR6 with ECC
Memory Interface	192-bit
Memory Bandwidth	432 GB/s
Max Power Consumption	210W
Graphics Bus	PCI Express 4.0 x16
Display Connectors	DP 1.4a (4)
Form Factor	4.4" (H) x 10.5"(L) Dual Slot
Product Weight	1079.7 g
Thermal Solution	Blower Active Fan
NVIDIA 3D Vision and 3D Vision Pro	Support via 3-pin mini DIN
Frame Lock	Compatible (with Quadro Sync II)
NVLink	Not Supported
NVENC , NVDEC	2x , 2x (+AV1 Encode & Decode)

Product Information Online

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

Product page:

https://www.comx.co.za/PNY_RTX-A4500-ADA-PB-PNY-nVidia-RTX-4500-ADA-24GB-GDDR6-Buy-p-333327.php

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