NVIDIA RTX A4500

📊 SPECIFICATIONS

Compatible in all systems that accept an NVIDIA RTX A4500

Architecture	NVIDIA Ampere Architecture
Process Size	8nm | Samsung
Transistors	28.3 Billion
Die Size	628.4 mm^2
CUDA Cores	7168
Tensor Cores	224
RT Cores	56
Single Precision Performance	23.7 TFLOPS
RT Core Performance	46.2 TFLOPS
Tensor Performance	182.2 TFLOPS
GPU Memory	20GB GDDR6 with ECC
Memory Interface	320-bit
Memory Bandwidth	640 GB/sec
Display Connectors	4x DisplayPort 1.4a
NVENC | NVDEC	1x | 2x (+ AV1 decode)
System Interface	PCI Express 4.0 x16
Form Factor	4.4" H x 10.5" L Dual Slot
Thermal Solution	Active Fansink
Maximum Power Consumption	200 W NVIDIA Quadro and RTX Power Guidelines
Power Connector	1x 8-pin PCIe
Max Digital Resolution	7680 x 4320 x36 bpp at 60 Hz NVIDIA Quadro and RTX Display Resolution Support
NVIDIA 3D Vision and 3D Vision Pro	Optional 3-pin mini DIN connector bracket
Frame Lock	Compatible with NVIDIA Quadro Sync II
NVLink	2-way low profile (2-slot and 3-slot bridges) connects 2x NVIDIA RTX A4500
NVLink Interconnect	112.5 GB/sec bidirectional

🎁 AVAILABLE ACCESSORIES

- **RTXA6000NVLINK-KIT** provides an NVLink connector for the RTX A4500 (or RTX A6000 and RTX A5000) suitable for standard PCIe slot spacing motherboards, effectively fusing two physical boards into one logical entity with 14336 CUDA Cores, 448 Tensor Cores, 112 RT Cores, and 40 GB of GDDR6 ECC memory, with a bandwidth of 112.5 GB/Sec. Order PN RTXA6000NVLINK-KIT when ultimate performance and capabilities are required with two RTX A4500 boards (application support required).
- **RTXA6000NVLINK-3S-KIT** offers an NVLink connector for the RTX A4500 (or RTX A6000 and RTX A5000) compatible with motherboards featuring wider PCIe slot spacing. All other features and benefits are identical to the standard slot spacing version.

- **DP-HDMI-THREE-PCK** connects the NVIDIA RTX A4500 to HDMI displays at resolutions up to 4K with PNY Part Number DP-HDMI-THREE-PCK. The three included DisplayPort to HDMI adapters are recommended by NVIDIA, provide outstanding image quality, and are built to professional standards.
- **DP-HDMI-SINGLE-PCK** connect the NVIDIA RTX A4500 to an HDMI display at resolutions up to 4K with PNY Part Number DP-HDMI-SINGLE-PCK. The included DisplayPort to HDMI adapter is recommended by NVIDIA, provides outstanding image quality, and is built to professional standards.

⚙️ SUPPORTED PLATFORMS

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

🔧 MINIMUM SYSTEM HARDWARE REQUIREMENTS

- Intel Core i5, i7, i9, or Xeon processor or later
- System memory greater than or equal to GPU memory, twice the GPU memory

- AMD Ryzen or Epyc class processor or later
- PCI Express 4.0 x16 (preferred) expansion slot

recommended
- Internet connection for driver installation
- DisplayPort 1.4a (preferred), HDMI, or DVI compatible display(s)

🗄 PACKAGE CONTAINS
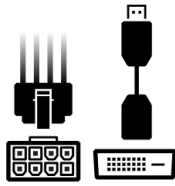
- NVIDIA RTX A4500 professional graphics card
- NVIDIA RTX Quick Start Guide
- NVIDIA RTX Support Guide
- DisplayPort to DVI-D SL adapter
- Auxiliary power cable