NVIDIA RTX A2000

📊 SPECIFICATIONS

Compatible in all systems that accept an NVIDIA RTX A2000

Architecture	NVIDIA Ampere Architecture
Process Size	8nm
Transistors	13.25 Billion
Die Size	276 mm^2
CUDA Cores	3328
Tensor Cores	104
RT Cores	26
Peak FP32 Performance	7.99 TFLOPS
RT Core Performance	15.6 TFLOPS
Tensor Core Performance	63.9 TFLOPS
GPU Memory	6 GB GDDR6 ECC
GPU Memory Clock	6001 MHz
Memory Interface	192-bit
Memory Bandwidth	288 GB/sec
Maximum Power Consumption	70 W **NVIDIA Quadro and RTX Power Guidelines**
System Interface	PCI Express 4.0 x16
Display Connectors	4x mDP Latching
Form Factor	2.713" H x 6.6" Low Profile | Dual Slot
Thermal Solution	Active Fansink
Max Digital Resolution	2x 7680 x 4320 at 60 Hz
Max Displays	4x at 5K | 5120 x 2880 at 60 Hz **NVIDIA Quadro and RTX Display Resolution Support**

HDR Support	Yes
AR | VR | XR Ready	Yes
Quad Buffered Stereo	Yes
Hardware Accelerated BVH	Yes
NVIDIA DLSS	Yes
NVIDIA Mosaic, Warp and Blend	Yes
NVIDIA RTX Experience	Yes
NVIDIA RTX Desktop Manager	Yes
NVIDIA Broadcast Application	Yes
NVENC | NVDEC	1x H.264 and HVEC Encoders 1x Decode Engine
Graphics APIs	DirectX 12.07, Shader Model 5.17, Open GL 4.68, Vulkan 1.2
Compute APIs	CUDA, DirectCompute, Open CL

🎁 AVAILABLE ACCESSORIES

- **MDP-HDMI-FOUR-PCK** connects the NVIDIA RTX A2000 (or RTX A2000 12GB) to HDMI displays at resolutions up to 4K with PNY Part Number MDP-HDMI-FOUR-PCK. The four included DisplayPort to HDMI adapters are recommended by NVIDIA, provide outstanding image quality, and are built to professional standards.

- **MDP-HDMI-SINGLE-PCK** connects the NVIDIA RTX A2000 12GB (or RTX A2000) to an HDMI display at resolutions up to 4K with PNY Part Number MDP-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 11 (64-bit)
- 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
- AMD Ryzen or Epyc class processor or later
- PCI Express 4.0 x16 (preferred) expansion slot
- System memory greater than or equal to GPU memory, twice the GPU memory recommended
- Internet connection for driver installation
- DisplayPort 1.4a (preferred), HDMI, or DVI compatible display(s)

📦 PACKAGE CONTAINS

- NVIDIA RTX A2000 Pro Graphics Board with ATX Bracket