



NVIDIA® RTX™ A4500 GPU

PRODUCT SPECIFICATIONS

Architecture	NVIDIA Ampere Architecture
Foundry	Samsung
Process Size	8nm
Transistors	28.3 billion
Die Size	628.4 mm ²
CUDA Parallel Processing cores	7168
NVIDIA Tensor Cores	224
NVIDIA RT Cores	56
Single-Precision Performance ¹	23.7 TFLOPS
RT Core Performance ¹	46.2 TFLOPS
Tensor Performance ¹	189.2 TFLOPS
GPU Memory	20 GB GDDR6 with ECC
Memory Interface	320-bit
Memory Bandwidth	640 GB/s
Max Power Consumption	200W
Graphics Bus	PCI Express 4.0 x16
Display Connectors	DP 1.4 (4)
Form Factor	4.4" H x 10.5" L Dual Slot
Product Weight	1.025 kg
Thermal Solution	Active
NVIDIA® 3D Vision® and 3D Vision Pro	Support via 3 pin mini DIN
Frame lock	Compatible (with Quadro Sync II)
NVLink	2-way low profile (2-slot and 3-slot bridges) Connect 2x RTX A4500
NVLink Interconnect	112.5 GB/s (bidirectional)
Power Connector	1x 8-pin PCIe
NVENC NVDEC	1x 1x (+AV1 decode)

¹ Peak rates are based on GPU boost clock

² Effective TOPS/TFLOPS using the new sparsity feature.