

NVIDIA RTX A4500 20GB

Ampere

PCIe

2021

8nm

OVERVIEW

23.6

FP32 TFLOPS

20 GB

VRAM GDDR6

640 GB/s

Memory Bandwidth

200 W

TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	47.3	8	Standard
FP16	23.6	16	Standard
BF16	23.6	16	Standard
TF32	23.6	32	Standard
FP32	23.6	32	Standard
FP64	0.4	64	Standard

MEMORY SPECIFICATIONS

Capacity	20 GB
Type	GDDR6
Bandwidth	640 GB/s
Interface Width	320-bit

POWER & EFFICIENCY

TDP	200 W
Est. Max Power	230 W
FP32 Efficiency	0.12 TFLOPS/W
FP16 Efficiency	0.12 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2021	Variant: 20GB

COMPUTE ENGINE

CUDA Cores: 7,168	Tensor Cores: 224 (3rd Gen)	SMs: 56
Base Clock: 1.05 GHz	Boost Clock: 1.65 GHz	