

NVIDIA RTX A4000 16GB

Ampere PCIe 2021 8nm

OVERVIEW

19.2
FP32 TFLOPS

16 GB
VRAM GDDR6

448 GB/s
Memory Bandwidth

140 W
TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	38.3	8	Standard
FP16	19.2	16	Standard
BF16	19.2	16	Standard
TF32	19.2	32	Standard
FP32	19.2	32	Standard
FP64	0.3	64	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR6
Bandwidth	448 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	140 W
Est. Max Power	161 W
FP32 Efficiency	0.14 TFLOPS/W
FP16 Efficiency	0.14 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2021	Variant: 16GB

COMPUTE ENGINE

CUDA Cores: 6,144	Tensor Cores: 192 (3rd Gen)	SMs: 48
Base Clock: 735 MHz	Boost Clock: 1.56 GHz	