

# NVIDIA RTX A2000 12GB

Ampere PCIe 2022 8nm

## OVERVIEW

**8.0**

FP32 TFLOPS

**12 GB**

VRAM GDDR6

**288 GB/s**

Memory Bandwidth

**70 W**

TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	16.0	8	Standard
FP16	8.0	16	Standard
BF16	8.0	16	Standard
TF32	8.0	32	Standard
FP32	8.0	32	Standard
FP64	0.1	64	Standard

## MEMORY SPECIFICATIONS

Capacity	12 GB
Type	GDDR6
Bandwidth	288 GB/s
Interface Width	192-bit

## POWER & EFFICIENCY

TDP	70 W
Est. Max Power	81 W
FP32 Efficiency	0.11 TFLOPS/W
FP16 Efficiency	0.11 TFLOPS/W

## HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2022	Variant: 12GB

## COMPUTE ENGINE

CUDA Cores: 3,328	Tensor Cores: 104 (3rd Gen)	SMs: 26
Base Clock: 562 MHz	Boost Clock: 1.20 GHz	