



NVIDIA RTX A2000 6GB

Ampere PCIe 2021 8nm

OVERVIEW

8.0 FP32 TFLOPS	6 GB VRAM GDDR6	288 GB/s Memory Bandwidth	70 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	0.1	N/A	64	Standard
FP32	8.0	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	63.9	16	Standard
FP8	—	not published	—	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	6 GB
Type	GDDR6
Bandwidth	288 GB/s
Interface Width	192-bit

POWER & EFFICIENCY

TDP	70 W
Max Power	70 W
FP32 Efficiency	0.11 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: 8nm
Form Factor: PCIe	Launch Year: 2021	Variant: 6GB

COMPUTE ENGINE

CUDA Cores: 3,328	Tensor Cores: 104 (3rd Gen)	SMs: 26
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INTERCONNECT

PCIe: 4.0 x16

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**