

NVIDIA A100 PCIe 80GB

Ampere PCIe 2021

OVERVIEW

19.5

FP32 TFLOPS

80 GB

VRAM HBM2e

1.9 TB/s

Memory Bandwidth

300 W

TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	624.0	8	Standard
INT4	1248.0	4	Standard
FP16	312.0	16	Standard
BF16	312.0	16	Standard
TF32	156.0	32	Standard
FP32	19.5	32	Standard
FP64	9.7	64	Standard

MEMORY SPECIFICATIONS

Capacity	80 GB
Type	HBM2e
Bandwidth	1.9 TB/s
Interface Width	5120-bit

POWER & EFFICIENCY

TDP	300 W
Est. Max Power	345 W
FP32 Efficiency	0.07 TFLOPS/W
FP16 Efficiency	1.04 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ampere	Process Node: —
Form Factor: PCIe	Launch Year: 2021	Variant: PCIe 80GB