

NVIDIA A40 48GB

Ampere PCIe 2021

OVERVIEW

37.4

FP32 TFLOPS

48 GB

VRAM GDDR6

696 GB/s

Memory Bandwidth

300 W

TDP

PERFORMANCE METRICS

| Precision | Peak TFLOPS | Bits | Type |
|-----------|-------------|------|----------|
| INT8 | 299.3 | 8 | Standard |
| INT4 | 598.7 | 4 | Standard |
| FP16 | 149.7 | 16 | Standard |
| BF16 | 149.7 | 16 | Standard |
| TF32 | 74.8 | 32 | Standard |
| FP32 | 37.4 | 32 | Standard |

MEMORY SPECIFICATIONS

| | |
|-----------------|----------|
| Capacity | 48 GB |
| Type | GDDR6 |
| Bandwidth | 696 GB/s |
| Interface Width | 384-bit |

POWER & EFFICIENCY

| | |
|-----------------|---------------|
| TDP | 300 W |
| Est. Max Power | 345 W |
| FP32 Efficiency | 0.12 TFLOPS/W |
| FP16 Efficiency | 0.50 TFLOPS/W |

HARDWARE DETAILS

| | | |
|-------------------|----------------------|-----------------|
| Vendor: NVIDIA | Architecture: Ampere | Process Node: — |
| Form Factor: PCIe | Launch Year: 2021 | Variant: 48GB |