

NVIDIA GeForce RTX 4080 16GB

Ada Lovelace

PCIe

2022

4nm

OVERVIEW

48.7

FP32 TFLOPS

16 GB

VRAM

717 GB/s

Memory Bandwidth

320 W

TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	195.0	8	Standard
FP8	195.0	8	Standard
FP16	97.5	16	Standard
BF16	97.5	16	Standard
TF32	48.7	32	Standard
FP32	48.7	32	Standard
FP64	0.7	64	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	—
Bandwidth	717 GB/s
Interface Width	—

POWER & EFFICIENCY

TDP	320 W
Est. Max Power	368 W
FP32 Efficiency	0.15 TFLOPS/W
FP16 Efficiency	0.30 TFLOPS/W

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2022	Variant: 16GB