

# NVIDIA RTX 2000 Ada 16GB

Ada Lovelace

PCIe

2024

4nm

## OVERVIEW

**12.0**

FP32 TFLOPS

**16 GB**

VRAM GDDR6

**224 GB/s**

Memory Bandwidth

**70 W**

TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	48.0	8	Standard
FP8	48.0	8	Standard
FP16	24.0	16	Standard
BF16	24.0	16	Standard
TF32	12.0	32	Standard
FP32	12.0	32	Standard
FP64	0.2	64	Standard

## MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR6
Bandwidth	224 GB/s
Interface Width	128-bit

## POWER & EFFICIENCY

TDP	70 W
Est. Max Power	81 W
FP32 Efficiency	0.17 TFLOPS/W
FP16 Efficiency	0.34 TFLOPS/W

## HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2024	Variant: 16GB

## COMPUTE ENGINE

CUDA Cores: 2,816	Tensor Cores: 88 (4th Gen)	SMs: 22
Base Clock: 1.64 GHz	Boost Clock: 2.13 GHz	

## INTERCONNECT

PCIe: 4.0 x8

