

# NVIDIA GeForce RTX 4090 24GB

Ada Lovelace

PCIe

2022

4nm

## OVERVIEW

**82.6**

FP32 TFLOPS

**24 GB**

VRAM

**1.0 TB/s**

Memory Bandwidth

**450 W**

TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	330.3	8	Standard
FP8	330.3	8	Standard
FP16	165.2	16	Standard
BF16	165.2	16	Standard
TF32	82.6	32	Standard
FP32	82.6	32	Standard
FP64	1.3	64	Standard

## MEMORY SPECIFICATIONS

Capacity	24 GB
Type	—
Bandwidth	1.0 TB/s
Interface Width	—

## POWER & EFFICIENCY

TDP	450 W
Est. Max Power	518 W
FP32 Efficiency	0.18 TFLOPS/W
FP16 Efficiency	0.37 TFLOPS/W

## HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2022	Variant: 24GB