

# NVIDIA L40 48GB

Ada Lovelace

PCIe

2023

4nm

## OVERVIEW

**90.5**

FP32 TFLOPS

**48 GB**

VRAM GDDR6

**864 GB/s**

Memory Bandwidth

**300 W**

TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	362.0	8	Standard
INT4	724.0	4	Standard
FP8	362.0	8	Standard
FP16	181.1	16	Standard
BF16	181.1	16	Standard
TF32	90.5	32	Standard
FP32	90.5	32	Standard

## MEMORY SPECIFICATIONS

Capacity	48 GB
Type	GDDR6
Bandwidth	864 GB/s
Interface Width	—

## POWER & EFFICIENCY

TDP	300 W
Est. Max Power	345 W
FP32 Efficiency	0.30 TFLOPS/W
FP16 Efficiency	0.60 TFLOPS/W

## HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2023	Variant: 48GB