



NVIDIA RTX 2000 Ada 16GB vs NVIDIA L40 48GB

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	NVIDIA RTX 2000 Ada 16GB	NVIDIA L40 48GB
FP32 TFLOPS	12.0	90.5
Memory	16 GB	48 GB
Memory Bandwidth	224 GB/s	864 GB/s
TDP	70 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 2000 Ada 16GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
FP64	0.2	—
FP32	12.0	90.5
TF32	12.0	90.5
BF16	24.0	181.1
FP16	24.0	181.1
FP8	48.0	362.0
FP6	—	—
FP4	—	—
INT8	48.0	362.0
INT4	—	724.0

SPECIFICATIONS

	NVIDIA RTX 2000 Ada 16GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	128-bit	—

	NVIDIA RTX 2000 Ada 16GB	NVIDIA L40 48GB
Interconnect	—	—
TDP	70 W	300 W
FP32 Efficiency	0.17 TFLOPS/W	0.30 TFLOPS/W