



NVIDIA L4 24GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA L4 24GB	NVIDIA L40 48GB
FP32 TFLOPS	30.3	90.5
VRAM	24 GB	48 GB
Memory Bandwidth	300 GB/s	864 GB/s
TDP	72 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L4 24GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
INT8	242.5	362.0
INT4	—	724.0
FP8	242.5	362.0
FP16	121.0	181.1
BF16	121.0	181.1
TF32	60.0	90.5
FP32	30.3	90.5
FP64	0.4	—

SPECIFICATIONS

	NVIDIA L4 24GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	—
Interconnect	—	—
TDP	72 W	300 W

	NVIDIA L4 24GB	NVIDIA L40 48GB
FP32 Efficiency	0.42 TFLOPS/W	0.30 TFLOPS/W