

NVIDIA GeForce RTX 4080 Super 16GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA L40 48GB
FP32 TFLOPS	52.2	90.5
VRAM	16 GB	48 GB
Memory Bandwidth	736 GB/s	864 GB/s
TDP	320 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4080 Super 16GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
INT8	208.9	362.0
INT4	—	724.0
FP8	208.9	362.0
FP16	104.4	181.1
BF16	104.4	181.1
TF32	52.2	90.5
FP32	52.2	90.5
FP64	0.8	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2024	2023
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	—

	NVIDIA GeForce RTX 4080 Super 16GB	NVIDIA L40 48GB
Interconnect	—	—
TDP	320 W	300 W
FP32 Efficiency	0.16 TFLOPS/W	0.30 TFLOPS/W