

NVIDIA GeForce RTX 4080 16GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 4080 16GB	NVIDIA L40 48GB
FP32 TFLOPS	48.7	90.5
VRAM	16 GB	48 GB
Memory Bandwidth	717 GB/s	864 GB/s
TDP	320 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4080 16GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
INT8	195.0	362.0
INT4	—	724.0
FP8	195.0	362.0
FP16	97.5	181.1
BF16	97.5	181.1
TF32	48.7	90.5
FP32	48.7	90.5
FP64	0.7	—

SPECIFICATIONS

	NVIDIA GeForce RTX 4080 16GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2022	2023
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	—
Interconnect	—	—
TDP	320 W	300 W

	NVIDIA GeForce RTX 4080 16GB	NVIDIA L40 48GB
FP32 Efficiency	0.15 TFL0PS/W	0.30 TFL0PS/W