



NVIDIA GeForce RTX 4090 D 24GB vs NVIDIA L40S 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA L40S 48GB
FP32 TFLOPS	73.5	91.6
VRAM	24 GB	48 GB
Memory Bandwidth	—	864 GB/s
TDP	425 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4090 D 24GB peak TFLOPS (dense)	NVIDIA L40S 48GB peak TFLOPS (dense)
FP64	1.1	1.4
FP32	73.5	91.6
TF32	73.5	183.0
BF16	147.1	362.1
FP16	147.1	362.1
FP8	294.2	733.0
FP6	—	—
FP4	—	—
INT8	588.4	733.0
INT4	—	733.0

SPECIFICATIONS

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA L40S 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	—
Interface Width	384-bit	—

	NVIDIA GeForce RTX 4090 D 24GB	NVIDIA L40S 48GB
Interconnect	—	—
TDP	425 W	350 W
FP32 Efficiency	0.17 TFLOPS/W	0.26 TFLOPS/W