



NVIDIA GeForce RTX 4070 12GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 4070 12GB	NVIDIA L40 48GB
FP32 TFLOPS	29.1	90.5
VRAM	12 GB	48 GB
Memory Bandwidth	504 GB/s	864 GB/s
TDP	200 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 4070 12GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
FP64	0.5	—
FP32	29.1	90.5
TF32	29.1	90.5
BF16	58.3	181.1
FP16	58.3	181.1
FP8	116.6	362.0
FP6	—	—
FP4	—	—
INT8	233.2	362.0
INT4	—	724.0

SPECIFICATIONS

	NVIDIA GeForce RTX 4070 12GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	GDDR6
Interface Width	192-bit	—

	NVIDIA GeForce RTX 4070 12GB	NVIDIA L40 48GB
Interconnect	—	—
TDP	200 W	300 W
FP32 Efficiency	0.15 TFLOPS/W	0.30 TFLOPS/W