

NVIDIA L4 24GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA L4 24GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	30.3	82.6
VRAM	24 GB	24 GB
Memory Bandwidth	300 GB/s	1.0 TB/s
TDP	72 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L4 24GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	242.5	330.3
FP8	242.5	330.3
FP16	121.0	165.2
BF16	121.0	165.2
TF32	60.0	82.6
FP32	30.3	82.6
FP64	0.4	1.3

SPECIFICATIONS

	NVIDIA L4 24GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—
TDP	72 W	450 W
FP32 Efficiency	0.42 TFLOPS/W	0.18 TFLOPS/W

