

NVIDIA L20 48GB vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	NVIDIA L20 48GB	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	59.8	82.6
VRAM	48 GB	24 GB
Memory Bandwidth	864 GB/s	1.0 TB/s
TDP	275 W	450 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L20 48GB peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
INT8	239.0	330.3
FP8	239.0	330.3
FP16	119.5	165.2
BF16	119.5	165.2
TF32	59.8	82.6
FP32	59.8	82.6
FP64	—	1.3

SPECIFICATIONS

	NVIDIA L20 48GB	NVIDIA GeForce RTX 4090 24GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	—	4nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	—	—
Interconnect	—	—
TDP	275 W	450 W
FP32 Efficiency	0.22 TFLOPS/W	0.18 TFLOPS/W

