



NVIDIA L40S 48GB vs NVIDIA L20 48GB

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

OVERVIEW

	NVIDIA L40S 48GB	NVIDIA L20 48GB
FP32 TFLOPS	91.6	59.8
VRAM	48 GB	48 GB
Memory Bandwidth	864 GB/s	864 GB/s
TDP	350 W	275 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L40S 48GB peak TFLOPS (dense)	NVIDIA L20 48GB peak TFLOPS (dense)
INT8	733.0	239.0
INT4	733.0	—
FP8	733.0	239.0
FP16	362.1	119.5
BF16	362.1	119.5
TF32	183.0	59.8
FP32	91.6	59.8
FP64	1.4	—

SPECIFICATIONS

	NVIDIA L40S 48GB	NVIDIA L20 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	—
Launch Year	2023	2024
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	—
Interconnect	—	—
TDP	350 W	275 W

	NVIDIA L40S 48GB	NVIDIA L20 48GB
FP32 Efficiency	0.26 TFL0PS/W	0.22 TFL0PS/W