



NVIDIA L20 48GB vs NVIDIA L40S 48GB

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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