

NVIDIA L40S 48GB vs NVIDIA RTX 6000 Ada 48GB

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

OVERVIEW

	NVIDIA L40S 48GB	NVIDIA RTX 6000 Ada 48GB
FP32 TFLOPS	91.6	91.1
VRAM	48 GB	48 GB
Memory Bandwidth	864 GB/s	960 GB/s
TDP	350 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L40S 48GB peak TFLOPS (dense)	NVIDIA RTX 6000 Ada 48GB peak TFLOPS (dense)
INT8	733.0	—
INT4	733.0	—
FP8	733.0	728.5
FP16	362.1	—
BF16	362.1	—
TF32	183.0	—
FP32	91.6	91.1
FP64	1.4	—

SPECIFICATIONS

	NVIDIA L40S 48GB	NVIDIA RTX 6000 Ada 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—
TDP	350 W	300 W

	NVIDIA L40S 48GB	NVIDIA RTX 6000 Ada 48GB
FP32 Efficiency	0.26 TFL0PS/W	0.30 TFL0PS/W