

NVIDIA L40S 48GB vs NVIDIA RTX 5000 Ada 32GB

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

OVERVIEW

	NVIDIA L40S 48GB	NVIDIA RTX 5000 Ada 32GB
FP32 TFLOPS	91.6	65.3
VRAM	48 GB	32 GB
Memory Bandwidth	864 GB/s	576 GB/s
TDP	350 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA L40S 48GB peak TFLOPS (dense)	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)
INT8	733.0	—
INT4	733.0	—
FP8	733.0	522.2
FP16	362.1	—
BF16	362.1	—
TF32	183.0	—
FP32	91.6	65.3
FP64	1.4	—

SPECIFICATIONS

	NVIDIA L40S 48GB	NVIDIA RTX 5000 Ada 32GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	—	—
Interface Width	—	256-bit
Interconnect	—	—
TDP	350 W	250 W

	NVIDIA L40S 48GB	NVIDIA RTX 5000 Ada 32GB
FP32 Efficiency	0.26 TFL0PS/W	0.26 TFL0PS/W