



NVIDIA RTX 5000 Ada 32GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA RTX 5000 Ada 32GB	NVIDIA L40 48GB
FP32 TFLOPS	65.3	90.5
VRAM	32 GB	48 GB
Memory Bandwidth	576 GB/s	864 GB/s
TDP	250 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 5000 Ada 32GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
INT8	—	362.0
INT4	—	724.0
FP8	522.2	362.0
FP16	—	181.1
BF16	—	181.1
TF32	—	90.5
FP32	65.3	90.5

SPECIFICATIONS

	NVIDIA RTX 5000 Ada 32GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	256-bit	—
Interconnect	—	—
TDP	250 W	300 W
FP32 Efficiency	0.26 TFLOPS/W	0.30 TFLOPS/W

