NVIDIA L40S 48GB vs NVIDIA RTX 2000 Ada 16GB

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

OVERVIEW

	NVIDIA L40S 48GB	NVIDIA RTX 2000 Ada 16GB
FP32 TFLOPS	**91.6**	**12.0**
Memory	**48 GB**	**16 GB**
Memory Bandwidth	**864 GB/s**	**224 GB/s**
TDP	**350 W**	**70 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA L40S 48GB peak TFLOPS (dense)	NVIDIA RTX 2000 Ada 16GB peak TFLOPS (dense)
FP64	1.4	0.2
FP32	91.6	12.0
TF32	183.0	12.0
BF16	362.1	24.0
FP16	362.1	24.0
FP8	733.0	48.0
FP6	—	—
FP4	—	—
INT8	733.0	48.0
INT4	733.0	—

SPECIFICATIONS

	NVIDIA L40S 48GB	NVIDIA RTX 2000 Ada 16GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2024
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	128-bit

	NVIDIA L40S 48GB	NVIDIA RTX 2000 Ada 16GB
Interconnect	–	–
TDP	350 W	70 W
FP32 Efficiency	0.26 TFLOPS/W	0.17 TFLOPS/W