



NVIDIA RTX 4000 SFF Ada 20GB vs NVIDIA L40 48GB

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

OVERVIEW

	NVIDIA RTX 4000 SFF Ada 20GB	NVIDIA L40 48GB
FP32 TFLOPS	19.2	90.5
VRAM	20 GB	48 GB
Memory Bandwidth	280 GB/s	864 GB/s
TDP	70 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX 4000 SFF Ada 20GB peak TFLOPS (dense)	NVIDIA L40 48GB peak TFLOPS (dense)
FP64	0.3	—
FP32	19.2	90.5
TF32	—	90.5
BF16	—	181.1
FP16	—	181.1
FP8	153.4	362.0
FP6	—	—
FP4	—	—
INT8	—	362.0
INT4	—	724.0

SPECIFICATIONS

	NVIDIA RTX 4000 SFF Ada 20GB	NVIDIA L40 48GB
Architecture	Ada Lovelace	Ada Lovelace
Process Node	4nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	160-bit	—

	NVIDIA RTX 4000 SFF Ada 20GB	NVIDIA L40 48GB
Interconnect	—	—
TDP	70 W	300 W
FP32 Efficiency	0.27 TFLOPS/W	0.30 TFLOPS/W