



NVIDIA GeForce RTX 3080 Ti 12GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA A40 48GB
FP32 TFLOPS	34.1	37.4
VRAM	12 GB	48 GB
Memory Bandwidth	912 GB/s	696 GB/s
TDP	350 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3080 Ti 12GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
INT8	68.2	299.3
INT4	—	598.7
FP16	34.1	149.7
BF16	34.1	149.7
TF32	34.1	74.8
FP32	34.1	37.4
FP64	0.5	—

SPECIFICATIONS

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	8nm	—
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	—	GDDR6
Interface Width	—	384-bit
Interconnect	—	—

	NVIDIA GeForce RTX 3080 Ti 12GB	NVIDIA A40 48GB
TDP	350 W	300 W
FP32 Efficiency	0.10 TFLOPS/W	0.12 TFLOPS/W