



NVIDIA GeForce RTX 3070 Ti 8GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA A40 48GB
FP32 TFLOPS	21.8	37.4
VRAM	8 GB	48 GB
Memory Bandwidth	–	696 GB/s
TDP	290 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3070 Ti 8GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
FP64	0.3	–
FP32	21.8	37.4
TF32	21.8	74.8
BF16	43.5	149.7
FP16	43.5	149.7
FP8	–	–
FP6	–	–
FP4	–	–
INT8	174.0	299.3
INT4	348.0	598.7

SPECIFICATIONS

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	8nm	–
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6X	GDDR6
Interface Width	256-bit	384-bit

	NVIDIA GeForce RTX 3070 Ti 8GB	NVIDIA A40 48GB
Interconnect	—	—
TDP	290 W	300 W
FP32 Efficiency	0.07 TFLOPS/W	0.12 TFLOPS/W