



NVIDIA GeForce RTX 3060 Ti 8GB vs NVIDIA A40 48GB

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

OVERVIEW

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA A40 48GB
FP32 TFLOPS	16.2	37.4
VRAM	8 GB	48 GB
Memory Bandwidth	–	696 GB/s
TDP	200 W	300 W

PERFORMANCE BY PRECISION

Precision	NVIDIA GeForce RTX 3060 Ti 8GB peak TFLOPS (dense)	NVIDIA A40 48GB peak TFLOPS (dense)
FP64	0.3	–
FP32	16.2	37.4
TF32	16.2	74.8
BF16	32.4	149.7
FP16	32.4	149.7
FP8	–	–
FP6	–	–
FP4	–	–
INT8	129.6	299.3
INT4	259.1	598.7

SPECIFICATIONS

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA A40 48GB
Architecture	Ampere	Ampere
Process Node	8nm	–
Launch Year	2020	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	384-bit

	NVIDIA GeForce RTX 3060 Ti 8GB	NVIDIA A40 48GB
Interconnect	—	—
TDP	200 W	300 W
FP32 Efficiency	0.08 TFLOPS/W	0.12 TFLOPS/W