



NVIDIA A40 48GB vs SOPHGO SC11 FP300

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

OVERVIEW

	NVIDIA A40 48GB	SOPHGO SC11 FP300
FP32 TFLOPS	37.4	—
Memory	48 GB	256 GB
Memory Bandwidth	696 GB/s	1.1 TB/s
TDP	300 W	—

PERFORMANCE BY PRECISION

Precision	NVIDIA A40 48GB peak TFLOPS (dense)	SOPHGO SC11 FP300 peak TFLOPS (dense)
FP64	—	—
FP32	37.4	—
TF32	74.8	—
BF16	149.7	—
FP16	149.7	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	299.3	—
INT4	598.7	—

SPECIFICATIONS

	NVIDIA A40 48GB	SOPHGO SC11 FP300
Architecture	Ampere	—
Process Node	—	—
Launch Year	2021	2024
Form Factor	PCIe	PCIe
Memory Type	GDDR6	LPDDR5X
Interface Width	384-bit	—

	NVIDIA A40 48GB	SOPHGO SC11 FP300
Interconnect	—	SG-Link
TDP	300 W	—
FP32 Efficiency	0.12 TFLOPS/W	—