



NVIDIA RTX A6000 48GB vs SOPHGO SC11 FP300

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

OVERVIEW

	NVIDIA RTX A6000 48GB	SOPHGO SC11 FP300
FP32 TFLOPS	38.7	—
Memory	48 GB	256 GB
Memory Bandwidth	768 GB/s	1.1 TB/s
TDP	300 W	—

PERFORMANCE BY PRECISION

Precision	NVIDIA RTX A6000 48GB peak TFLOPS (dense)	SOPHGO SC11 FP300 peak TFLOPS (dense)
FP64	0.6	—
FP32	38.7	—
TF32	77.4	—
BF16	154.8	—
FP16	154.8	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	309.7	—
INT4	619.3	—

SPECIFICATIONS

	NVIDIA RTX A6000 48GB	SOPHGO SC11 FP300
Architecture	Ampere	—
Process Node	8nm	—
Launch Year	2020	2024
Form Factor	PCIe	PCIe
Memory Type	—	LPDDR5X
Interface Width	—	—

	NVIDIA RTX A6000 48GB	SOPHGO SC11 FP300
Interconnect	—	SG-Link
TDP	300 W	—
FP32 Efficiency	0.13 TFLOPS/W	—