Intel Arc Pro A60 12GB vs NVIDIA RTX 4000 SFF Ada 20GB

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

OVERVIEW

	Intel Arc Pro A60 12GB	NVIDIA RTX 4000 SFF Ada 20GB
FP32 TFLOPS	**10.0**	**19.2**
Memory	**12 GB**	**20 GB**
Memory Bandwidth	**384 GB/s**	**280 GB/s**
TDP	**130 W**	**70 W**

PERFORMANCE BY PRECISION

Precision	Intel Arc Pro A60 12GB peak TFLOPS (dense)	NVIDIA RTX 4000 SFF Ada 20GB peak TFLOPS (dense)
FP64	—	0.3
FP32	10.0	19.2
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	153.4
FP6	—	—
FP4	—	—
INT8	151.0	—

SPECIFICATIONS

	Intel Arc Pro A60 12GB	NVIDIA RTX 4000 SFF Ada 20GB
Architecture	Alchemist	Ada Lovelace
Process Node	6nm	4nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	192-bit	160-bit
Interconnect	—	—

	Intel Arc Pro A60 12GB	NVIDIA RTX 4000 SFF Ada 20GB
TDP	130 W	70 W
FP32 Efficiency	0.08 TFLOPS/W	0.27 TFLOPS/W