



Intel Arc A580 8GB vs Intel Arc A770 16GB

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

OVERVIEW

	Intel Arc A580 8GB	Intel Arc A770 16GB
FP32 TFLOPS	—	19.7
VRAM	8 GB	16 GB
Memory Bandwidth	512 GB/s	560 GB/s
TDP	185 W	225 W

PERFORMANCE BY PRECISION

Precision	Intel Arc A580 8GB peak TFLOPS (dense)	Intel Arc A770 16GB peak TFLOPS (dense)
FP64	—	—
FP32	—	19.7
TF32	—	—
BF16	—	—
FP16	—	39.4
FP8	—	—
FP6	—	—
FP4	—	—
INT8	197.0	262.0

SPECIFICATIONS

	Intel Arc A580 8GB	Intel Arc A770 16GB
Architecture	Alchemist	Alchemist
Process Node	6nm	6nm
Launch Year	2023	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	256-bit	—
Interconnect	—	—

	Intel Arc A580 8GB	Intel Arc A770 16GB
TDP	185 W	225 W
FP32 Efficiency	—	0.09 TFLOPS/W