



Intel Arc Pro A40 6GB vs Intel Arc A770 16GB

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

OVERVIEW

	Intel Arc Pro A40 6GB	Intel Arc A770 16GB
FP32 TFLOPS	5.0	19.7
VRAM	6 GB	16 GB
Memory Bandwidth	192 GB/s	560 GB/s
TDP	50 W	225 W

PERFORMANCE BY PRECISION

Precision	Intel Arc Pro A40 6GB peak TFLOPS (dense)	Intel Arc A770 16GB peak TFLOPS (dense)
FP64	—	—
FP32	5.0	19.7
TF32	—	—
BF16	—	—
FP16	—	39.4
FP8	—	—
FP6	—	—
FP4	—	—
INT8	69.0	262.0

SPECIFICATIONS

	Intel Arc Pro A40 6GB	Intel Arc A770 16GB
Architecture	Alchemist	Alchemist
Process Node	6nm	6nm
Launch Year	2022	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	96-bit	—
Interconnect	—	—

	Intel Arc Pro A40 6GB	Intel Arc A770 16GB
TDP	50 W	225 W
FP32 Efficiency	0.10 TFLOPS/W	0.09 TFLOPS/W