



Intel Arc B580 12GB vs Intel Arc Pro B50 16GB

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

OVERVIEW

	Intel Arc B580 12GB	Intel Arc Pro B50 16GB
FP32 TFLOPS	—	10.7
VRAM	12 GB	16 GB
Memory Bandwidth	456 GB/s	224 GB/s
TDP	190 W	70 W

PERFORMANCE BY PRECISION

Precision	Intel Arc B580 12GB peak TFLOPS (dense)	Intel Arc Pro B50 16GB peak TFLOPS (dense)
FP64	—	—
FP32	—	10.7
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	233.0	170.0

SPECIFICATIONS

	Intel Arc B580 12GB	Intel Arc Pro B50 16GB
Architecture	Battlemage	Battlemage
Process Node	5nm	5nm
Launch Year	2024	2025
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	192-bit	128-bit
Interconnect	—	—

	Intel Arc B580 12GB	Intel Arc Pro B50 16GB
TDP	190 W	70 W
FP32 Efficiency	—	0.15 TFLOPS/W