



Intel Arc Pro B65 32GB vs Intel Arc B580 12GB

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

OVERVIEW

	Intel Arc Pro B65 32GB	Intel Arc B580 12GB
FP32 TFLOPS	12.3	—
VRAM	32 GB	12 GB
Memory Bandwidth	608 GB/s	456 GB/s
TDP	200 W	190 W

PERFORMANCE BY PRECISION

Precision	Intel Arc Pro B65 32GB peak TFLOPS (dense)	Intel Arc B580 12GB peak TFLOPS (dense)
FP64	—	—
FP32	12.3	—
TF32	—	—
BF16	—	—
FP16	—	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	197.0	233.0

SPECIFICATIONS

	Intel Arc Pro B65 32GB	Intel Arc B580 12GB
Architecture	Battlemage	Battlemage
Process Node	5nm	5nm
Launch Year	2026	2024
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	192-bit
Interconnect	—	—

	Intel Arc Pro B65 32GB	Intel Arc B580 12GB
TDP	200 W	190 W
FP32 Efficiency	0.06 TFLOPS/W	—