



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

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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