Intel Arc A310 4GB vs Intel Arc A580 8GB

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

OVERVIEW

	Intel Arc A310 4GB	Intel Arc A580 8GB
FP32 TFLOPS	–	–
Memory	4 GB	8 GB
Memory Bandwidth	124 GB/s	512 GB/s
TDP	75 W	185 W

PERFORMANCE BY PRECISION

Precision	Intel Arc A310 4GB peak TFLOPS (dense)	Intel Arc A580 8GB peak TFLOPS (dense)
FP64	–	–
FP32	–	–
TF32	–	–
BF16	–	–
FP16	–	–
FP8	–	–
FP6	–	–
FP4	–	–
INT8	52.0	197.0

SPECIFICATIONS

	Intel Arc A310 4GB	Intel Arc A580 8GB
Architecture	Alchemist	Alchemist
Process Node	6nm	6nm
Launch Year	2022	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	64-bit	256-bit
Interconnect	–	–

	Intel Arc A310 4GB	Intel Arc A580 8GB
TDP	75 W	185 W
FP32 Efficiency	–	–