



Intel Arc Pro B50 16GB vs NVIDIA Quadro RTX 5000 16GB

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

OVERVIEW

	Intel Arc Pro B50 16GB	NVIDIA Quadro RTX 5000 16GB
FP32 TFLOPS	10.7	11.2
Memory	16 GB	16 GB
Memory Bandwidth	224 GB/s	448 GB/s
TDP	70 W	265 W

PERFORMANCE BY PRECISION

Precision	Intel Arc Pro B50 16GB peak TFLOPS (dense)	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)
FP64	—	0.3
FP32	10.7	11.2
TF32	—	—
BF16	—	—
FP16	—	89.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	170.0	178.4
INT4	—	356.8

SPECIFICATIONS

	Intel Arc Pro B50 16GB	NVIDIA Quadro RTX 5000 16GB
Architecture	Battlemage	Turing
Process Node	5nm	12nm
Launch Year	2025	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	128-bit	256-bit

	Intel Arc Pro B50 16GB	NVIDIA Quadro RTX 5000 16GB
Interconnect	—	NVLink
TDP	70 W	265 W
FP32 Efficiency	0.15 TFLOPS/W	0.04 TFLOPS/W