



Intel Arc Pro B50 16GB

Battlemage

PCIe

2025

5nm

OVERVIEW

10.7 FP32 TFLOPS	16 GB VRAM GDDR6	224 GB/s Memory Bandwidth	70 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	10.7	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	170.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	16 GB
Type	GDDR6
Bandwidth	224 GB/s
Interface Width	128-bit

POWER & EFFICIENCY

TDP	70 W
Max Power	70 W
FP32 Efficiency	0.15 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: Intel	Architecture: Battlemage	Process Node: 5nm
Form Factor: PCIe	Launch Year: 2025	Variant: 16GB

COMPUTE ENGINE

Xe Cores: 16	Tensor Cores: 128 (Xe2 XMN)	Base Clock: 1.70 GHz
Boost Clock: 2.60 GHz		

INTERCONNECT

PCIe: 5.0 x8

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **No**