



Intel Arc Pro A40 6GB

Alchemist PCIe 2022 6nm

OVERVIEW

5.0 FP32 TFLOPS	6 GB VRAM GDDR6	192 GB/s Memory Bandwidth	50 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	5.0	32	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	69.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	6 GB
Type	GDDR6
Bandwidth	192 GB/s
Interface Width	96-bit

POWER & EFFICIENCY

TDP	50 W
Max Power	50 W
FP32 Efficiency	0.10 TFLOPS/W
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: Intel	Architecture: Alchemist	Process Node: 6nm
Form Factor: PCIe	Launch Year: 2022	Variant: 6GB

COMPUTE ENGINE

Xe Cores: 8	Tensor Cores: 128 (Xe-HPG XMN)	Boost Clock: 1.55 GHz
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INTERCONNECT

PCIe: 4.0 x8

ENTERPRISE FEATURES

Sparsity: No
