

Intel Arc A770 8GB

Alchemist

PCIe

2022

6nm

OVERVIEW

— FP32 TFLOPS	8 GB VRAM GDDR6	512 GB/s Memory Bandwidth	225 W TDP
------------------	--------------------	------------------------------	--------------

PERFORMANCE METRICS

Precision	Peak (dense)	Bits	Type
FP64	—	—	Standard
FP32	—	—	Standard
TF32	—	—	Standard
BF16	—	—	Standard
FP16	—	—	Standard
FP8	—	—	Standard
FP6	—	—	Standard
FP4	—	—	Standard
INT8	262.0	8	Standard

MEMORY SPECIFICATIONS

Capacity	8 GB
Type	GDDR6
Bandwidth	512 GB/s
Interface Width	256-bit

POWER & EFFICIENCY

TDP	225 W
Max Power	225 W
FP32 Efficiency	—
FP16 Efficiency	—

HARDWARE DETAILS

Vendor: Intel	Architecture: Alchemist	Process Node: 6nm
Form Factor: PCIe	Launch Year: 2022	Variant: 8GB

COMPUTE ENGINE

Xe Cores: 32	Tensor Cores: 512 (Xe-HPG XMN)	Boost Clock: 2.10 GHz
--------------	--------------------------------	-----------------------

INTERCONNECT

PCIe: 4.0 x16

ENTERPRISE FEATURES

Sparsity: **No**
