



AMD Instinct MI300A 128GB

CDNA 3 APU SH5 socket 2023 5nm FinFET

OVERVIEW

122.6 FP32 TFLOPS	128 GB VRAM	5.3 TB/s Memory Bandwidth	760 W TDP
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PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	1961.2	8	Standard
FP8	1961.2	8	Standard
FP16	980.6	16	Standard
BF16	980.6	16	Standard
TF32	490.3	32	Standard
FP32	122.6	32	Standard
FP64	61.3	64	Standard

MEMORY SPECIFICATIONS

Capacity	128 GB
Type	—
Bandwidth	5.3 TB/s
Interface Width	—

POWER & EFFICIENCY

TDP	760 W
Est. Max Power	874 W
FP32 Efficiency	0.16 TFLOPS/W
FP16 Efficiency	1.29 TFLOPS/W

HARDWARE DETAILS

Vendor: AMD	Architecture: CDNA 3	Process Node: 5nm FinFET
Form Factor: APU SH5 socket	Launch Year: 2023	Variant: 128GB