

Cambricon MLU370-X8

OFFICIAL

MLUarch03

PCIe

2022

TSMC 7nm

OVERVIEW

24.0

FP32 TFLOPS

48 GB

VRAM LPDDR5

614 GB/s

Memory Bandwidth

250 W

TDP

PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
INT8	256.0	8	Standard
FP16	96.0	16	Standard
BF16	96.0	16	Standard
FP32	24.0	32	Standard

MEMORY SPECIFICATIONS

Capacity	48 GB
Type	LPDDR5
Bandwidth	614 GB/s
Interface Width	—

POWER & EFFICIENCY

TDP	250 W
Est. Max Power	288 W
FP32 Efficiency	0.10 TFLOPS/W
FP16 Efficiency	0.38 TFLOPS/W

HARDWARE DETAILS

Vendor: Cambricon	Architecture: MLUarch03	Process Node: TSMC 7nm
Form Factor: PCIe	Launch Year: 2022	

INTERCONNECT

GPU-to-GPU: MLU-Link	Bandwidth: 200 GB/s
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