Cambricon MLU290-M5 vs Cambricon MLU370-X8

Side by side datacenter GPU specifications from the Flopper.io database.

OVERVIEW

	Cambricon MLU290-M5	Cambricon MLU370-X8
FP32 TFLOPS	–	**24.0**
Memory	–	**48 GB**
Memory Bandwidth	**1.2 TB/s**	**614 GB/s**
TDP	**350 W**	**250 W**

PERFORMANCE BY PRECISION

Precision	Cambricon MLU290-M5 peak TFLOPS (dense)	Cambricon MLU370-X8 peak TFLOPS (dense)
FP64	–	–
FP32	–	24.0
TF32	–	–
BF16	–	96.0
FP16	–	96.0
FP8	–	–
FP6	–	–
FP4	–	–
INT8	512.0	256.0

SPECIFICATIONS

	Cambricon MLU290-M5	Cambricon MLU370-X8
Architecture	MLUv02	MLUarch03
Process Node	–	TSMC 7nm
Launch Year	2021	2022
Form Factor	OAM	PCIe
Memory Type	–	LPDDR5
Interface Width	–	–
Interconnect	MLU-Link	MLU-Link

	Cambricon MLU290-M5	Cambricon MLU370-X8
TDP	350 W	250 W
FP32 Efficiency	–	0.10 TFLOPS/W