AMD Instinct MI455X vs AMD Instinct MI500

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

OVERVIEW

	AMD Instinct MI455X	AMD Instinct MI500
FP32 TFLOPS	**315.0**	–
Memory	**432 GB**	–
Memory Bandwidth	**23.3 TB/s**	–
TDP	–	–

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI455X peak TFLOPS (dense)	AMD Instinct MI500 peak TFLOPS (dense)
FP64	5.0	–
FP32	315.0	–
TF32	–	–
BF16	5033.0	–
FP16	5033.0	–
FP8	20133.0	–
FP6	20133.0	–
FP4	40265.0	–
INT8	5033.0	–

SPECIFICATIONS

	AMD Instinct MI455X	AMD Instinct MI500
Architecture	CDNA 5	CDNA 6
Process Node	TSMC 2nm/3nm	2nm
Launch Year	2026	2027
Form Factor	EAM	–
Memory Type	HBM4	HBM4e
Interface Width	–	–
Interconnect	–	–

	AMD Instinct MI455X	AMD Instinct MI500
TDP	–	–
FP32 Efficiency	–	–