AMD Instinct MI355X OAM vs AMD Instinct MI500

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

OVERVIEW

	AMD Instinct MI355X OAM	AMD Instinct MI500
FP32 TFLOPS	**157.3**	–
Memory	**288 GB**	–
Memory Bandwidth	**8.0 TB/s**	–
TDP	**1.4 kW**	–

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI355X OAM peak TFLOPS (dense)	AMD Instinct MI500 peak TFLOPS (dense)
FP64	78.6	–
FP32	157.3	–
TF32	–	–
BF16	2516.6	–
FP16	2516.6	–
FP8	5033.2	–
FP6	10066.3	–
FP4	10066.3	–
INT8	5033.2	–

SPECIFICATIONS

	AMD Instinct MI355X OAM	AMD Instinct MI500
Architecture	CDNA 4	CDNA 6
Process Node	3nm/6nm	2nm
Launch Year	2025	2027
Form Factor	OAM	–
Memory Type	–	HBM4e
Interface Width	–	–
Interconnect	–	–

	AMD Instinct MI355X OAM	AMD Instinct MI500
TDP	1.4 kW	–
FP32 Efficiency	0.11 TFLOPS/W	–