AMD Instinct MI325X OAM vs AMD Instinct MI500

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

OVERVIEW

	AMD Instinct MI325X OAM	AMD Instinct MI500
FP32 TFLOPS	**163.4**	–
Memory	**256 GB**	–
Memory Bandwidth	**6.0 TB/s**	–
TDP	**1.0 kW**	–

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI325X OAM peak TFLOPS (dense)	AMD Instinct MI500 peak TFLOPS (dense)
FP64	81.7	–
FP32	163.4	–
TF32	653.7	–
BF16	1307.4	–
FP16	1307.4	–
FP8	2614.9	–
FP6	–	–
FP4	–	–
INT8	2614.9	–

SPECIFICATIONS

	AMD Instinct MI325X OAM	AMD Instinct MI500
Architecture	CDNA 3	CDNA 6
Process Node	5nm FinFET	2nm
Launch Year	2025	2027
Form Factor	OAM	–
Memory Type	–	HBM4e
Interface Width	–	–
Interconnect	–	–

	AMD Instinct MI325X OAM	AMD Instinct MI500
TDP	1.0 kW	–
FP32 Efficiency	0.16 TFLOPS/W	–