AMD Instinct MI355X OAM vs AMD Instinct MI455X

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

OVERVIEW

	AMD Instinct MI355X OAM	AMD Instinct MI455X
FP32 TFLOPS	**157.3**	**315.0**
Memory	**288 GB**	**432 GB**
Memory Bandwidth	**8.0 TB/s**	**23.3 TB/s**
TDP	**1.4 kW**	**—**

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI355X OAM peak TFLOPS (dense)	AMD Instinct MI455X peak TFLOPS (dense)
FP64	78.6	5.0
FP32	157.3	315.0
TF32	—	—
BF16	2516.6	5033.0
FP16	2516.6	5033.0
FP8	5033.2	20133.0
FP6	10066.3	20133.0
FP4	10066.3	40265.0
INT8	5033.2	5033.0

SPECIFICATIONS

	AMD Instinct MI355X OAM	AMD Instinct MI455X
Architecture	CDNA 4	CDNA 5
Process Node	3nm/6nm	TSMC 2nm/3nm
Launch Year	2025	2026
Form Factor	OAM	EAM
Memory Type	—	HBM4
Interface Width	—	—
Interconnect	—	—

	AMD Instinct MI355X OAM	AMD Instinct MI455X
TDP	1.4 kW	–
FP32 Efficiency	0.11 TFLOPS/W	–