AMD Instinct MI325X OAM vs AMD Instinct MI455X

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

OVERVIEW

	AMD Instinct MI325X OAM	AMD Instinct MI455X
FP32 TFLOPS	**163.4**	**315.0**
Memory	**256 GB**	**432 GB**
Memory Bandwidth	**6.0 TB/s**	**23.3 TB/s**
TDP	**1.0 kW**	**—**

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI325X OAM peak TFLOPS (dense)	AMD Instinct MI455X peak TFLOPS (dense)
FP64	81.7	5.0
FP32	163.4	315.0
TF32	653.7	—
BF16	1307.4	5033.0
FP16	1307.4	5033.0
FP8	2614.9	20133.0
FP6	—	20133.0
FP4	—	40265.0
INT8	2614.9	5033.0

SPECIFICATIONS

	AMD Instinct MI325X OAM	AMD Instinct MI455X
Architecture	CDNA 3	CDNA 5
Process Node	5nm FinFET	TSMC 2nm/3nm
Launch Year	2025	2026
Form Factor	OAM	EAM
Memory Type	—	HBM4
Interface Width	—	—
Interconnect	—	—

	AMD Instinct MI325X OAM	AMD Instinct MI455X
TDP	1.0 kW	–
FP32 Efficiency	0.16 TFLOPS/W	–