

AMD Instinct MI325X OAM vs AMD Instinct MI300A 128GB

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

OVERVIEW

	AMD Instinct MI325X OAM	AMD Instinct MI300A 128GB
FP32 TFLOPS	163.4	122.6
VRAM	256 GB	128 GB
Memory Bandwidth	6.0 TB/s	5.3 TB/s
TDP	1.0 kW	760 W

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI325X OAM peak TFLOPS (dense)	AMD Instinct MI300A 128GB peak TFLOPS (dense)
INT8	2614.9	1961.2
FP8	2614.9	1961.2
FP16	1307.4	980.6
BF16	1307.4	980.6
TF32	653.7	490.3
FP32	163.4	122.6
FP64	81.7	61.3

SPECIFICATIONS

	AMD Instinct MI325X OAM	AMD Instinct MI300A 128GB
Architecture	CDNA 3	CDNA 3
Process Node	5nm FinFET	5nm FinFET
Launch Year	2025	2023
Form Factor	OAM	APU SH5 socket
Memory Type	—	—
Interface Width	—	—
Interconnect	—	—
TDP	1.0 kW	760 W

	AMD Instinct MI325X OAM	AMD Instinct MI300A 128GB
FP32 Efficiency	0.16 TFL0PS/W	0.16 TFL0PS/W