

AMD Instinct MI250 128GB vs AMD Radeon AI PRO R9700 32GB

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

OVERVIEW

	AMD Instinct MI250 128GB	AMD Radeon AI PRO R9700 32GB
FP32 TFLOPS	45.3	47.8
Memory	128 GB	32 GB
Memory Bandwidth	3.3 TB/s	640 GB/s
TDP	500 W	300 W

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI250 128GB peak TFLOPS (dense)	AMD Radeon AI PRO R9700 32GB peak TFLOPS (dense)
FP64	45.3	—
FP32	45.3	47.8
TF32	—	—
BF16	362.1	—
FP16	362.1	191.0
FP8	—	383.0
FP6	—	—
FP4	—	—
INT8	362.1	383.0
INT4	362.1	766.0

SPECIFICATIONS

	AMD Instinct MI250 128GB	AMD Radeon AI PRO R9700 32GB
Architecture	CDNA 2	RDNA 4
Process Node	6nm	—
Launch Year	2021	2025
Form Factor	OAM	PCIe
Memory Type	HBM2e	GDDR6
Interface Width	—	256-bit

	AMD Instinct MI250 128GB	AMD Radeon AI PRO R9700 32GB
Interconnect	—	—
TDP	500 W	300 W
FP32 Efficiency	0.09 TFLOPS/W	0.16 TFLOPS/W