

AMD Instinct MI100 32GB vs AMD Radeon PRO W7900 Dual Slot 48GB

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

OVERVIEW

	AMD Instinct MI100 32GB	AMD Radeon PRO W7900 Dual Slot 48GB
FP32 TFLOPS	23.1	61.3
Memory	32 GB	48 GB
Memory Bandwidth	1.2 TB/s	864 GB/s
TDP	300 W	295 W

PERFORMANCE BY PRECISION

Precision	AMD Instinct MI100 32GB peak TFLOPS (dense)	AMD Radeon PRO W7900 Dual Slot 48GB peak TFLOPS (dense)
FP64	11.5	—
FP32	23.1	61.3
TF32	—	—
BF16	92.3	—
FP16	184.6	123.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	184.6	123.0
INT4	184.6	245.0

SPECIFICATIONS

	AMD Instinct MI100 32GB	AMD Radeon PRO W7900 Dual Slot 48GB
Architecture	CDNA	RDNA 3
Process Node	7nm	5nm
Launch Year	2020	2024
Form Factor	PCIe	PCIe

	AMD Instinct MI100 32GB	AMD Radeon PRO W7900 Dual Slot 48GB
Memory Type	HBM2	GDDR6
Interface Width	—	384-bit
Interconnect	—	—
TDP	300 W	295 W
FP32 Efficiency	0.08 TFLOPS/W	0.21 TFLOPS/W