



AMD Radeon AI PRO R9700 32GB vs AMD Radeon RX 9070 GRE 12GB

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

OVERVIEW

	AMD Radeon AI PRO R9700 32GB	AMD Radeon RX 9070 GRE 12GB
FP32 TFLOPS	47.8	34.3
VRAM	32 GB	12 GB
Memory Bandwidth	640 GB/s	432 GB/s
TDP	300 W	220 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon AI PRO R9700 32GB peak TFLOPS (dense)	AMD Radeon RX 9070 GRE 12GB peak TFLOPS (dense)
FP64	—	—
FP32	47.8	34.3
TF32	—	—
BF16	—	—
FP16	191.0	137.0
FP8	383.0	274.0
FP6	—	—
FP4	—	—
INT8	383.0	274.0
INT4	766.0	549.0

SPECIFICATIONS

	AMD Radeon AI PRO R9700 32GB	AMD Radeon RX 9070 GRE 12GB
Architecture	RDNA 4	RDNA 4
Process Node	—	—
Launch Year	2025	2025
Form Factor	PCIe	PCIe

	AMD Radeon AI PRO R9700 32GB	AMD Radeon RX 9070 GRE 12GB
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	192-bit
Interconnect	—	—
TDP	300 W	220 W
FP32 Efficiency	0.16 TFLOPS/W	0.16 TFLOPS/W