

AMD Radeon RX 9070 16GB vs AMD Radeon RX 9070 GRE 12GB

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

OVERVIEW

	AMD Radeon RX 9070 16GB	AMD Radeon RX 9070 GRE 12GB
FP32 TFLOPS	36.1	34.3
VRAM	16 GB	12 GB
Memory Bandwidth	640 GB/s	432 GB/s
TDP	220 W	220 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 9070 16GB peak TFLOPS (dense)	AMD Radeon RX 9070 GRE 12GB peak TFLOPS (dense)
FP64	—	—
FP32	36.1	34.3
TF32	—	—
BF16	—	—
FP16	145.0	137.0
FP8	289.0	274.0
FP6	—	—
FP4	—	—
INT8	289.0	274.0
INT4	578.0	549.0

SPECIFICATIONS

	AMD Radeon RX 9070 16GB	AMD Radeon RX 9070 GRE 12GB
Architecture	RDNA 4	RDNA 4
Process Node	—	—
Launch Year	2025	2025
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	192-bit

	AMD Radeon RX 9070 16GB	AMD Radeon RX 9070 GRE 12GB
Interconnect	—	—
TDP	220 W	220 W
FP32 Efficiency	0.16 TFLOPS/W	0.16 TFLOPS/W