



AMD Radeon RX 9070 GRE 12GB

RDNA 4 PCIe 2025

OVERVIEW

34.3 FP32 TFLOPS	12 GB VRAM GDDR6	432 GB/s Memory Bandwidth	220 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	—	N/A	—	Standard
FP32	34.3	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	137.0	274.0	16	Standard
FP8	274.0	549.0	8	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	274.0	549.0	8	Standard
INT4	549.0	1097.0	4	Standard

MEMORY SPECIFICATIONS

Capacity	12 GB	TDP	220 W
Type	GDDR6	Max Power	220 W
Bandwidth	432 GB/s	FP32 Efficiency	0.16 TFLOPS/W
Interface Width	192-bit	FP16 Efficiency	0.62 TFLOPS/W

POWER & EFFICIENCY

HARDWARE DETAILS

Vendor: AMD	Architecture: RDNA 4	Process Node: —
Form Factor: PCIe	Launch Year: 2025	Variant: 12GB

COMPUTE ENGINE

Stream Processors: 3,072	Tensor Cores: 96 (RDNA 4)	CUs: 48
Boost Clock: 2.79 GHz		

INTERCONNECT

PCIe: Gen 5 x16

CHIP DESIGN

Transistors: 53.9 billion

ENTERPRISE FEATURES

Sparsity: Yes