AMD Radeon AI PRO R9600D 32GB vs NVIDIA RTX PRO 6000D 84GB

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

OVERVIEW

	AMD Radeon AI PRO R9600D 32GB	NVIDIA RTX PRO 6000D 84GB
FP32 TFLOPS	**24.8**	**97.0**
Memory	**32 GB**	**84 GB**
Memory Bandwidth	**640 GB/s**	**—**
TDP	**150 W**	**—**

PERFORMANCE BY PRECISION

Precision	AMD Radeon AI PRO R9600D 32GB peak TFLOPS (dense)	NVIDIA RTX PRO 6000D 84GB peak TFLOPS (dense)
FP64	—	—
FP32	24.8	97.0
TF32	—	—
BF16	—	—
FP16	99.0	—
FP8	199.0	—
FP6	—	—
FP4	—	—
INT8	199.0	—
INT4	397.0	—

SPECIFICATIONS

	AMD Radeon AI PRO R9600D 32GB	NVIDIA RTX PRO 6000D 84GB
Architecture	RDNA 4	Blackwell
Process Node	—	—
Launch Year	2025	2025
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR7

	AMD Radeon AI PRO R9600D 32GB	NVIDIA RTX PRO 6000D 84GB
Interface Width	256-bit	448-bit
Interconnect	—	—
TDP	150 W	—
FP32 Efficiency	0.17 TFLOPS/W	—