



AMD Radeon PRO W7800 48GB vs AMD Radeon RX 7900 GRE 16GB

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

OVERVIEW

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 GRE 16GB
FP32 TFLOPS	45.2	46.0
VRAM	48 GB	16 GB
Memory Bandwidth	864 GB/s	576 GB/s
TDP	260 W	260 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W7800 48GB peak TFLOPS (dense)	AMD Radeon RX 7900 GRE 16GB peak TFLOPS (dense)
FP64	—	—
FP32	45.2	46.0
TF32	—	—
BF16	—	—
FP16	90.4	92.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	90.4	92.0
INT4	181.0	184.0

SPECIFICATIONS

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 GRE 16GB
Architecture	RDNA 3	RDNA 3
Process Node	5nm	5nm
Launch Year	2024	2023
Form Factor	PCIe	PCIe

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 GRE 16GB
Memory Type	GDDR6	GDDR6
Interface Width	384-bit	256-bit
Interconnect	—	—
TDP	260 W	260 W
FP32 Efficiency	0.17 TFLOPS/W	0.18 TFLOPS/W