AMD Radeon PRO W7900 48GB vs AMD Radeon RX 7800 XT 16GB

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

OVERVIEW

	AMD Radeon PRO W7900 48GB	AMD Radeon RX 7800 XT 16GB
FP32 TFLOPS	**61.3**	**37.3**
Memory	**48 GB**	**16 GB**
Memory Bandwidth	**864 GB/s**	**624 GB/s**
TDP	**295 W**	**263 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W7900 48GB peak TFLOPS (dense)	AMD Radeon RX 7800 XT 16GB peak TFLOPS (dense)
FP64	—	—
FP32	61.3	37.3
TF32	—	—
BF16	—	—
FP16	123.0	74.6
FP8	—	—
FP6	—	—
FP4	—	—
INT8	123.0	74.6
INT4	245.0	149.0

SPECIFICATIONS

	AMD Radeon PRO W7900 48GB	AMD Radeon RX 7800 XT 16GB
Architecture	RDNA 3	RDNA 3
Process Node	5nm	5nm
Launch Year	2023	2023
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	AMD Radeon PRO W7900 48GB	AMD Radeon RX 7800 XT 16GB
Interface Width	384-bit	256-bit
Interconnect	–	–
TDP	295 W	263 W
FP32 Efficiency	0.21 TFLOPS/W	0.14 TFLOPS/W