

AMD Radeon PRO W7800 48GB vs AMD Radeon RX 7900 XT 20GB

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

OVERVIEW

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 XT 20GB
FP32 TFLOPS	45.2	51.6
VRAM	48 GB	20 GB
Memory Bandwidth	864 GB/s	800 GB/s
TDP	260 W	315 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W7800 48GB peak TFLOPS (dense)	AMD Radeon RX 7900 XT 20GB peak TFLOPS (dense)
FP64	—	—
FP32	45.2	51.6
TF32	—	—
BF16	—	—
FP16	90.4	103.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	90.4	103.2
INT4	181.0	206.0

SPECIFICATIONS

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 XT 20GB
Architecture	RDNA 3	RDNA 3
Process Node	5nm	5nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—

	AMD Radeon PRO W7800 48GB	AMD Radeon RX 7900 XT 20GB
Interface Width	384-bit	—
Interconnect	—	—
TDP	260 W	315 W
FP32 Efficiency	0.17 TFLOPS/W	0.16 TFLOPS/W