AMD Radeon PRO W7700 16GB vs NVIDIA Quadro RTX 4000 8GB

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

OVERVIEW

	AMD Radeon PRO W7700 16GB	NVIDIA Quadro RTX 4000 8GB
FP32 TFLOPS	**28.3**	**7.1**
Memory	**16 GB**	**8 GB**
Memory Bandwidth	**576 GB/s**	**416 GB/s**
TDP	**190 W**	**160 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W7700 16GB peak TFLOPS (dense)	NVIDIA Quadro RTX 4000 8GB peak TFLOPS (dense)
FP64	—	0.2
FP32	28.3	7.1
TF32	—	—
BF16	—	—
FP16	56.6	57.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	56.6	—
INT4	113.0	—

SPECIFICATIONS

	AMD Radeon PRO W7700 16GB	NVIDIA Quadro RTX 4000 8GB
Architecture	RDNA 3	Turing
Process Node	5nm	12nm
Launch Year	2023	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	256-bit

	AMD Radeon PRO W7700 16GB	NVIDIA Quadro RTX 4000 8GB
Interconnect	–	–
TDP	190 W	160 W
FP32 Efficiency	0.15 TFLOPS/W	0.04 TFLOPS/W