NVIDIA Quadro RTX 5000 16GB vs NVIDIA T1000 8GB

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

OVERVIEW

	NVIDIA Quadro RTX 5000 16GB	NVIDIA T1000 8GB
FP32 TFLOPS	**11.2**	**2.5**
Memory	**16 GB**	**8 GB**
Memory Bandwidth	**448 GB/s**	**160 GB/s**
TDP	**265 W**	**50 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)	NVIDIA T1000 8GB peak TFLOPS (dense)
FP64	0.3	0.1
FP32	11.2	2.5
TF32	—	—
BF16	—	—
FP16	89.2	5.0
FP8	—	—
FP6	—	—
FP4	—	—
INT8	178.4	—
INT4	356.8	—

SPECIFICATIONS

	NVIDIA Quadro RTX 5000 16GB	NVIDIA T1000 8GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	128-bit

	NVIDIA Quadro RTX 5000 16GB	NVIDIA T1000 8GB
Interconnect	NVLink	–
TDP	265 W	50 W
FP32 Efficiency	0.04 TFLOPS/W	0.05 TFLOPS/W