



NVIDIA Quadro RTX 5000 16GB vs NVIDIA Quadro RTX 8000 48GB

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

OVERVIEW

	NVIDIA Quadro RTX 5000 16GB	NVIDIA Quadro RTX 8000 48GB
FP32 TFLOPS	11.2	16.3
VRAM	16 GB	48 GB
Memory Bandwidth	448 GB/s	672 GB/s
TDP	265 W	295 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)	NVIDIA Quadro RTX 8000 48GB peak TFLOPS (dense)
FP64	0.3	0.5
FP32	11.2	16.3
TF32	—	—
BF16	—	—
FP16	89.2	130.5
FP8	—	—
FP6	—	—
FP4	—	—
INT8	178.4	261.0
INT4	356.8	522.0

SPECIFICATIONS

	NVIDIA Quadro RTX 5000 16GB	NVIDIA Quadro RTX 8000 48GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6

	NVIDIA Quadro RTX 5000 16GB	NVIDIA Quadro RTX 8000 48GB
Interface Width	256-bit	384-bit
Interconnect	NVLink	NVLink
TDP	265 W	295 W
FP32 Efficiency	0.04 TFLOPS/W	0.06 TFLOPS/W