



NVIDIA Titan RTX 24GB vs NVIDIA Quadro RTX 5000 16GB

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

OVERVIEW

	NVIDIA Titan RTX 24GB	NVIDIA Quadro RTX 5000 16GB
FP32 TFLOPS	16.3	11.2
VRAM	24 GB	16 GB
Memory Bandwidth	672 GB/s	448 GB/s
TDP	280 W	265 W

PERFORMANCE BY PRECISION

Precision	NVIDIA Titan RTX 24GB peak TFLOPS (dense)	NVIDIA Quadro RTX 5000 16GB peak TFLOPS (dense)
FP64	0.5	0.3
FP32	16.3	11.2
TF32	—	—
BF16	—	—
FP16	130.5	89.2
FP8	—	—
FP6	—	—
FP4	—	—
INT8	261.0	178.4
INT4	522.0	356.8

SPECIFICATIONS

	NVIDIA Titan RTX 24GB	NVIDIA Quadro RTX 5000 16GB
Architecture	Turing	Turing
Process Node	12nm	12nm
Launch Year	2018	2018
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	384-bit	256-bit

	NVIDIA Titan RTX 24GB	NVIDIA Quadro RTX 5000 16GB
Interconnect	NVLink	NVLink
TDP	280 W	265 W
FP32 Efficiency	0.06 TFLOPS/W	0.04 TFLOPS/W