AMD Radeon RX 7600 XT 16GB vs NVIDIA GeForce RTX 2080 Super 8GB

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

OVERVIEW

	AMD Radeon RX 7600 XT 16GB	NVIDIA GeForce RTX 2080 Super 8GB
FP32 TFLOPS	**22.6**	**11.2**
Memory	**16 GB**	**8 GB**
Memory Bandwidth	**288 GB/s**	**496 GB/s**
TDP	**190 W**	**250 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX 7600 XT 16GB peak TFLOPS (dense)	NVIDIA GeForce RTX 2080 Super 8GB peak TFLOPS (dense)
FP64	–	0.3
FP32	22.6	11.2
TF32	–	–
BF16	–	–
FP16	45.1	44.6
FP8	–	–
FP6	–	–
FP4	–	–
INT8	45.1	178.4
INT4	90.2	356.8

SPECIFICATIONS

	AMD Radeon RX 7600 XT 16GB	NVIDIA GeForce RTX 2080 Super 8GB
Architecture	RDNA 3	Turing
Process Node	6nm	12nm
Launch Year	2024	2019
Form Factor	PCIe	PCIe

	AMD Radeon RX 7600 XT 16GB	NVIDIA GeForce RTX 2080 Super 8GB
Memory Type	GDDR6	GDDR6
Interface Width	128-bit	256-bit
Interconnect	–	NVLink
TDP	190 W	250 W
FP32 Efficiency	0.12 TFLOPS/W	0.04 TFLOPS/W