



AMD Radeon PRO W6800 32GB vs NVIDIA RTX A2000 6GB

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

OVERVIEW

	AMD Radeon PRO W6800 32GB	NVIDIA RTX A2000 6GB
FP32 TFLOPS	17.8	8.0
Memory	32 GB	6 GB
Memory Bandwidth	512 GB/s	288 GB/s
TDP	250 W	70 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W6800 32GB peak TFLOPS (dense)	NVIDIA RTX A2000 6GB peak TFLOPS (dense)
FP64	1.1	0.1
FP32	17.8	8.0
TF32	—	—
BF16	—	—
FP16	35.7	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon PRO W6800 32GB	NVIDIA RTX A2000 6GB
Architecture	RDNA 2	Ampere
Process Node	7nm	8nm
Launch Year	2021	2021
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	192-bit
Interconnect	—	—

	AMD Radeon PRO W6800 32GB	NVIDIA RTX A2000 6GB
TDP	250 W	70 W
FP32 Efficiency	0.07 TFLOPS/W	0.11 TFLOPS/W