AMD Radeon PRO W6800 32GB vs AMD Radeon RX 6650 XT 8GB

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

OVERVIEW

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6650 XT 8GB
FP32 TFLOPS	**17.8**	**10.8**
Memory	**32 GB**	**8 GB**
Memory Bandwidth	**512 GB/s**	**280 GB/s**
TDP	**250 W**	**180 W**

PERFORMANCE BY PRECISION

Precision	AMD Radeon PRO W6800 32GB peak TFLOPS (dense)	AMD Radeon RX 6650 XT 8GB peak TFLOPS (dense)
FP64	1.1	–
FP32	17.8	10.8
TF32	–	–
BF16	–	–
FP16	35.7	21.6
FP8	–	–
FP6	–	–
FP4	–	–
INT8	–	–

SPECIFICATIONS

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6650 XT 8GB
Architecture	RDNA 2	RDNA 2
Process Node	7nm	7nm
Launch Year	2021	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	GDDR6
Interface Width	256-bit	128-bit
Interconnect	–	–

	AMD Radeon PRO W6800 32GB	AMD Radeon RX 6650 XT 8GB
TDP	250 W	180 W
FP32 Efficiency	0.07 TFLOPS/W	0.06 TFLOPS/W