



AMD Radeon VII 16GB vs AMD Radeon RX Vega 64 8GB

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

OVERVIEW

	AMD Radeon VII 16GB	AMD Radeon RX Vega 64 8GB
FP32 TFLOPS	13.8	12.7
VRAM	16 GB	8 GB
Memory Bandwidth	1.0 TB/s	484 GB/s
TDP	300 W	295 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon VII 16GB peak TFLOPS (dense)	AMD Radeon RX Vega 64 8GB peak TFLOPS (dense)
FP64	3.5	—
FP32	13.8	12.7
TF32	—	—
BF16	—	—
FP16	27.7	25.3
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon VII 16GB	AMD Radeon RX Vega 64 8GB
Architecture	Vega	Vega
Process Node	7nm	—
Launch Year	2019	2017
Form Factor	PCIe	PCIe
Memory Type	HBM2	HBM2
Interface Width	4096-bit	2048-bit
Interconnect	—	—

	AMD Radeon VII 16GB	AMD Radeon RX Vega 64 8GB
TDP	300 W	295 W
FP32 Efficiency	0.05 TFLOPS/W	0.04 TFLOPS/W