



AMD Radeon RX Vega 56 8GB vs AMD Radeon VII 16GB

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

OVERVIEW

	AMD Radeon RX Vega 56 8GB	AMD Radeon VII 16GB
FP32 TFLOPS	10.5	13.8
VRAM	8 GB	16 GB
Memory Bandwidth	410 GB/s	1.0 TB/s
TDP	210 W	300 W

PERFORMANCE BY PRECISION

Precision	AMD Radeon RX Vega 56 8GB peak TFLOPS (dense)	AMD Radeon VII 16GB peak TFLOPS (dense)
FP64	—	3.5
FP32	10.5	13.8
TF32	—	—
BF16	—	—
FP16	21.0	27.7
FP8	—	—
FP6	—	—
FP4	—	—
INT8	—	—

SPECIFICATIONS

	AMD Radeon RX Vega 56 8GB	AMD Radeon VII 16GB
Architecture	Vega	Vega
Process Node	—	7nm
Launch Year	2017	2019
Form Factor	PCIe	PCIe
Memory Type	HBM2	HBM2
Interface Width	2048-bit	4096-bit
Interconnect	—	—

	AMD Radeon RX Vega 56 8GB	AMD Radeon VII 16GB
TDP	210 W	300 W
FP32 Efficiency	0.05 TFLOPS/W	0.05 TFLOPS/W