



NVIDIA V100 SXM2 16GB vs NVIDIA V100 PCIe 32GB

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

OVERVIEW

	NVIDIA V100 SXM2 16GB	NVIDIA V100 PCIe 32GB
FP32 TFLOPS	15.7	14.0
VRAM	16 GB	32 GB
Memory Bandwidth	900 GB/s	900 GB/s
TDP	300 W	250 W

PERFORMANCE BY PRECISION

Precision	NVIDIA V100 SXM2 16GB peak TFLOPS (dense)	NVIDIA V100 PCIe 32GB peak TFLOPS (dense)
FP16	125.0	112.0
FP32	15.7	14.0
FP64	7.8	7.0

SPECIFICATIONS

	NVIDIA V100 SXM2 16GB	NVIDIA V100 PCIe 32GB
Architecture	Volta	Volta
Process Node	12nm	12nm
Launch Year	2017	2018
Form Factor	SXM	PCIe
Memory Type	HBM2	HBM2
Interface Width	—	—
Interconnect	—	—
TDP	300 W	250 W
FP32 Efficiency	0.05 TFLOPS/W	0.06 TFLOPS/W