

# NVIDIA V100 SXM2 16GB

Volta SXM 2017 12nm

## OVERVIEW

**15.7**

FP32 TFLOPS

**16 GB**

VRAM HBM2

**900 GB/s**

Memory Bandwidth

**300 W**

TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
FP16	125.0	16	Standard
FP32	15.7	32	Standard
FP64	7.8	64	Standard

## MEMORY SPECIFICATIONS

Capacity	16 GB
Type	HBM2
Bandwidth	900 GB/s
Interface Width	—

## POWER & EFFICIENCY

TDP	300 W
Est. Max Power	345 W
FP32 Efficiency	0.05 TFLOPS/W
FP16 Efficiency	0.42 TFLOPS/W

## HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Volta	Process Node: 12nm
Form Factor: SXM	Launch Year: 2017	Variant: SXM2 16GB