

# NVIDIA V100 PCIe 16GB

Volta PCIe 2017 12nm

## OVERVIEW

**14.0**  
FP32 TFLOPS**16 GB**  
VRAM HBM2**900 GB/s**  
Memory Bandwidth**250 W**  
TDP

## PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
FP16	112.0	16	Standard
FP32	14.0	32	Standard
FP64	7.0	64	Standard

## MEMORY SPECIFICATIONS

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

## POWER & EFFICIENCY

TDP	250 W
Est. Max Power	288 W
FP32 Efficiency	0.06 TFLOPS/W
FP16 Efficiency	0.45 TFLOPS/W

## HARDWARE DETAILS

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