



NVIDIA H100 SXM5 80GB vs NVIDIA H100 PCIe 80GB

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

OVERVIEW

	NVIDIA H100 SXM5 80GB	NVIDIA H100 PCIe 80GB
FP32 TFLOPS	67.0	51.0
VRAM	80 GB	80 GB
Memory Bandwidth	3.4 TB/s	2.0 TB/s
TDP	700 W	350 W

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)	NVIDIA H100 PCIe 80GB peak TFLOPS (dense)
FP64	34.0	26.0
FP64_TC Tensor Core	67.0	—
FP32	67.0	51.0
TF32	494.0	378.0
BF16	990.0	756.5
FP16	990.0	756.5
FP8	1979.0	1513.0
FP6	—	—
FP4	—	—
INT8	1979.0	1513.0

SPECIFICATIONS

	NVIDIA H100 SXM5 80GB	NVIDIA H100 PCIe 80GB
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2022	2022
Form Factor	SXM	PCIe
Memory Type	—	—

	NVIDIA H100 SXM5 80GB	NVIDIA H100 PCIe 80GB
Interface Width	—	—
Interconnect	—	—
TDP	700 W	350 W
FP32 Efficiency	0.10 TFLOPS/W	0.15 TFLOPS/W