



NVIDIA H100 PCIe 80GB vs NVIDIA H20 96GB

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

OVERVIEW

	NVIDIA H100 PCIe 80GB	NVIDIA H20 96GB
FP32 TFLOPS	51.0	44.0
VRAM	80 GB	96 GB
Memory Bandwidth	2.0 TB/s	4.0 TB/s
TDP	350 W	400 W

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 PCIe 80GB peak TFLOPS (dense)	NVIDIA H20 96GB peak TFLOPS (dense)
FP64	26.0	1.0
FP32	51.0	44.0
TF32	378.0	74.0
BF16	756.5	148.0
FP16	756.5	148.0
FP8	1513.0	296.0
FP6	—	—
FP4	—	—
INT8	1513.0	296.0

SPECIFICATIONS

	NVIDIA H100 PCIe 80GB	NVIDIA H20 96GB
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2022	2024
Form Factor	PCIe	SXM
Memory Type	—	HBM3
Interface Width	—	—
Interconnect	—	—

	NVIDIA H100 PCIe 80GB	NVIDIA H20 96GB
TDP	350 W	400 W
FP32 Efficiency	0.15 TFLOPS/W	0.11 TFLOPS/W