NVIDIA H20 141GB HBM3e vs NVIDIA H100 SXM5 80GB

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

OVERVIEW

	NVIDIA H20 141GB HBM3e	NVIDIA H100 SXM5 80GB
FP32 TFLOPS	**44.0**	**67.0**
VRAM	**141 GB**	**80 GB**
Memory Bandwidth	**4.0 TB/s**	**3.4 TB/s**
TDP	**400 W**	**700 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA H20 141GB HBM3e peak TFLOPS (dense)	NVIDIA H100 SXM5 80GB peak TFLOPS (dense)
FP64	1.0	34.0
FP64_TC Tensor Core	—	67.0
FP32	44.0	67.0
TF32	74.0	494.0
BF16	148.0	990.0
FP16	148.0	990.0
FP8	296.0	1979.0
FP6	—	—
FP4	—	—
INT8	296.0	1979.0

SPECIFICATIONS

	NVIDIA H20 141GB HBM3e	NVIDIA H100 SXM5 80GB
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2025	2022
Form Factor	SXM	SXM
Memory Type	HBM3e	—

	NVIDIA H20 141GB HBM3e	NVIDIA H100 SXM5 80GB
Interface Width	–	–
Interconnect	NVLink	–
TDP	400 W	700 W
FP32 Efficiency	0.11 TFLOPS/W	0.10 TFLOPS/W