NVIDIA H100 SXM5 80GB vs NVIDIA H20 141GB HBM3e

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

OVERVIEW

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

PERFORMANCE BY PRECISION

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

SPECIFICATIONS

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

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