NVIDIA H100 NVL 94GB vs NVIDIA H20 141GB HBM3e

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

OVERVIEW

	NVIDIA H100 NVL 94GB	NVIDIA H20 141GB HBM3e
FP32 TFLOPS	**60.0**	**44.0**
Memory	**94 GB**	**141 GB**
Memory Bandwidth	**3.9 TB/s**	**4.0 TB/s**
TDP	**400 W**	**400 W**

PERFORMANCE BY PRECISION

Precision	NVIDIA H100 NVL 94GB peak TFLOPS (dense)	NVIDIA H20 141GB HBM3e peak TFLOPS (dense)
FP64	30.0	1.0
FP64_TC Tensor Core	60.0	–
FP32	60.0	44.0
TF32	–	74.0
BF16	–	148.0
FP16	–	148.0
FP8	–	296.0
FP6	–	–
FP4	–	–
INT8	–	296.0

SPECIFICATIONS

	NVIDIA H100 NVL 94GB	NVIDIA H20 141GB HBM3e
Architecture	Hopper	Hopper
Process Node	4nm	4nm
Launch Year	2023	2025
Form Factor	PCIe	SXM
Memory Type	HBM3	HBM3e

	NVIDIA H100 NVL 94GB	NVIDIA H20 141GB HBM3e
Interface Width	–	–
Interconnect	–	NVLink
TDP	400 W	400 W
FP32 Efficiency	0.15 TFLOPS/W	0.11 TFLOPS/W