Intel Data Center GPU Max 1550 128GB vs NVIDIA H100 NVL 94GB

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

OVERVIEW

	Intel Data Center GPU Max 1550 128GB	NVIDIA H100 NVL 94GB
FP32 TFLOPS	**52.0**	**60.0**
Memory	**128 GB**	**94 GB**
Memory Bandwidth	**3.3 TB/s**	**3.9 TB/s**
TDP	**600 W**	**400 W**

PERFORMANCE BY PRECISION

Precision	Intel Data Center GPU Max 1550 128GB peak TFLOPS (dense)	NVIDIA H100 NVL 94GB peak TFLOPS (dense)
FP64	52.0	30.0
FP64_TC Tensor Core	—	60.0
FP32	52.0	60.0
TF32	419.0	—
BF16	839.0	—
FP16	839.0	—
FP8	—	—
FP6	—	—
FP4	—	—
INT8	1678.0	—

SPECIFICATIONS

	Intel Data Center GPU Max 1550 128GB	NVIDIA H100 NVL 94GB
Architecture	Xe-HPC	Hopper
Process Node	—	4nm
Launch Year	2023	2023

	Intel Data Center GPU Max 1550 128GB	NVIDIA H100 NVL 94GB
Form Factor	OAM	PCIe
Memory Type	HBM2e	HBM3
Interface Width	1024-bit	–
Interconnect	–	–
TDP	600 W	400 W
FP32 Efficiency	0.09 TFLOPS/W	0.15 TFLOPS/W