



T-Head Zhenwu 810E vs NVIDIA H20 96GB

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

OVERVIEW

	T-Head Zhenwu 810E	NVIDIA H20 96GB
FP32 TFLOPS	—	44.0
Memory	96 GB	96 GB
Memory Bandwidth	2.7 TB/s	4.0 TB/s
TDP	—	400 W

PERFORMANCE BY PRECISION

Precision	T-Head Zhenwu 810E peak TFLOPS (dense)	NVIDIA H20 96GB peak TFLOPS (dense)
FP64	—	1.0
FP32	—	44.0
TF32	—	74.0
BF16	—	148.0
FP16	—	148.0
FP8	—	296.0
FP6	—	—
FP4	—	—
INT8	—	296.0

SPECIFICATIONS

	T-Head Zhenwu 810E	NVIDIA H20 96GB
Architecture	Zhenwu	Hopper
Process Node	—	4nm
Launch Year	2026	2024
Form Factor	—	SXM
Memory Type	HBM2e	HBM3
Interface Width	—	—
Interconnect	ICN	—

	T-Head Zhenwu 810E	NVIDIA H20 96GB
TDP	—	400 W
FP32 Efficiency	—	0.11 TFLOPS/W