

Tenstorrent Wormhole n150s vs NVIDIA GeForce RTX 4090 24GB

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

OVERVIEW

	Tenstorrent Wormhole n150s	NVIDIA GeForce RTX 4090 24GB
FP32 TFLOPS	—	82.6
VRAM	12 GB	24 GB
Memory Bandwidth	288 GB/s	1.0 TB/s
TDP	160 W	450 W

PERFORMANCE BY PRECISION

Precision	Tenstorrent Wormhole n150s peak TFLOPS (dense)	NVIDIA GeForce RTX 4090 24GB peak TFLOPS (dense)
FP64	—	1.3
FP32	—	82.6
TF32	—	82.6
BF16	—	165.2
FP16	74.0	165.2
FP8	262.0	330.3
FP6	—	—
FP4	—	—
INT8	—	660.6

SPECIFICATIONS

	Tenstorrent Wormhole n150s	NVIDIA GeForce RTX 4090 24GB
Architecture	Wormhole	Ada Lovelace
Process Node	—	4nm
Launch Year	2024	2022
Form Factor	PCIe	PCIe
Memory Type	GDDR6	—
Interface Width	—	—
Interconnect	2x QSFP-DD 200G	—

	Tenstorrent Wormhole n150s	NVIDIA GeForce RTX 4090 24GB
TDP	160 W	450 W
FP32 Efficiency	—	0.18 TFLOPS/W