Google TPU 8i vs NVIDIA GB200 NVL72 GPU 186GB

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

OVERVIEW

	Google TPU 8i	NVIDIA GB200 NVL72 GPU 186GB
FP32 TFLOPS	–	**80.0**
Memory	**288 GB**	**186 GB**
Memory Bandwidth	**8.6 TB/s**	**8.0 TB/s**
TDP	–	–

PERFORMANCE BY PRECISION

Precision	Google TPU 8i peak TFLOPS (dense)	NVIDIA GB200 NVL72 GPU 186GB peak TFLOPS (dense)
FP64	–	40.0
FP32	–	80.0
TF32	–	1250.0
BF16	–	2500.0
FP16	–	2500.0
FP8	–	5000.0
FP6	–	5000.0
FP4	10100.0	10000.0
INT8	–	5000.0

SPECIFICATIONS

	Google TPU 8i	NVIDIA GB200 NVL72 GPU 186GB
Architecture	TPU 8	Blackwell
Process Node	–	4nm
Launch Year	2026	2024
Form Factor	–	SXM
Memory Type	–	HBM3e
Interface Width	–	–
Interconnect	–	NVLink

	Google TPU 8i	NVIDIA GB200 NVL72 GPU 186GB
TDP	–	–
FP32 Efficiency	–	–