Google TPU 8i vs Google TPU v4 32GB

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

OVERVIEW

	Google TPU 8i	Google TPU v4 32GB
FP32 TFLOPS	–	–
Memory	288 GB	32 GB
Memory Bandwidth	8.6 TB/s	1.2 TB/s
TDP	–	–

PERFORMANCE BY PRECISION

Precision	Google TPU 8i peak TFLOPS (dense)	Google TPU v4 32GB peak TFLOPS (dense)
FP64	–	–
FP32	–	–
TF32	–	–
BF16	–	275.0
FP16	–	–
FP8	–	–
FP6	–	–
FP4	10100.0	–
INT8	–	275.0

SPECIFICATIONS

	Google TPU 8i	Google TPU v4 32GB
Architecture	TPU 8	TPU
Process Node	–	–
Launch Year	2026	2020
Form Factor	–	–
Memory Type	–	HBM2
Interface Width	–	–
Interconnect	–	–

	Google TPU 8i	Google TPU v4 32GB
TDP	–	–
FP32 Efficiency	–	–