Google TPU 8i vs Google TPU v7 192GB

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

OVERVIEW

	Google TPU 8i	Google TPU v7 192GB
FP32 TFLOPS	–	–
Memory	288 GB	192 GB
Memory Bandwidth	8.6 TB/s	7.4 TB/s
TDP	–	–

PERFORMANCE BY PRECISION

Precision	Google TPU 8i peak TFLOPS (dense)	Google TPU v7 192GB peak TFLOPS (dense)
FP64	–	–
FP32	–	–
TF32	–	–
BF16	–	2307.0
FP16	–	–
FP8	–	4614.0
FP6	–	–
FP4	10100.0	–
INT8	–	–

SPECIFICATIONS

	Google TPU 8i	Google TPU v7 192GB
Architecture	TPU 8	TPU
Process Node	–	–
Launch Year	2026	2025
Form Factor	–	–
Memory Type	–	HBM
Interface Width	–	–
Interconnect	–	–

	Google TPU 8i	Google TPU v7 192GB
TDP	–	–
FP32 Efficiency	–	–