AWS Trainium2 vs AWS Trainium3

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

OVERVIEW

	AWS Trainium2	AWS Trainium3
FP32 TFLOPS	**181.0**	**183.0**
Memory	**96 GB**	**144 GB**
Memory Bandwidth	**2.9 TB/s**	**4.9 TB/s**
TDP	—	—

PERFORMANCE BY PRECISION

Precision	AWS Trainium2 peak TFLOPS (dense)	AWS Trainium3 peak TFLOPS (dense)
FP64	—	—
FP32	181.0	183.0
TF32	667.0	671.0
BF16	667.0	671.0
FP16	667.0	671.0
FP8	1299.0	2517.0
FP6	—	—
FP4	—	2517.0
INT8	—	—

SPECIFICATIONS

	AWS Trainium2	AWS Trainium3
Architecture	NeuronCore-v3	NeuronCore-v4
Process Node	—	3nm
Launch Year	2024	2025
Form Factor	—	—
Memory Type	—	HBM3e
Interface Width	—	—
Interconnect	NeuronLink-v3	NeuronLink-v4

	AWS Trainium2	AWS Trainium3
TDP	–	–
FP32 Efficiency	–	–