



Intel Gaudi 2 96GB vs NVIDIA A100 SXM4 80GB

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

OVERVIEW

	Intel Gaudi 2 96GB	NVIDIA A100 SXM4 80GB
FP32 TFLOPS	45.2	19.5
VRAM	96 GB	80 GB
Memory Bandwidth	2.5 TB/s	2.0 TB/s
TDP	600 W	400 W

PERFORMANCE BY PRECISION

Precision	Intel Gaudi 2 96GB peak TFLOPS (dense)	NVIDIA A100 SXM4 80GB peak TFLOPS (dense)
FP64	—	9.7
FP32	45.2	19.5
TF32	362.0	156.0
BF16	432.0	312.0
FP16	432.0	312.0
FP8	865.0	—
FP6	—	—
FP4	—	—
INT8	865.0	624.0
INT4	—	1248.0

SPECIFICATIONS

	Intel Gaudi 2 96GB	NVIDIA A100 SXM4 80GB
Architecture	Gaudi 2	Ampere
Process Node	7nm	7nm
Launch Year	2022	2020
Form Factor	OAM	SXM
Memory Type	—	—
Interface Width	—	—

	Intel Gaudi 2 96GB	NVIDIA A100 SXM4 80GB
Interconnect	—	—
TDP	600 W	400 W
FP32 Efficiency	0.08 TFLOPS/W	0.05 TFLOPS/W