



Intel Gaudi 3 HL-338

Gaudi 3 PCIe 5nm

OVERVIEW

229.0 FP32 TFLOPS	128 GB VRAM HBM2E	3.7 TB/s Memory Bandwidth	600 W TDP
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PERFORMANCE METRICS

Precision	Peak TFLOPS	Bits	Type
FP8	1678.0	8	Standard
FP16	459.0	16	Standard
BF16	1678.0	16	Standard
TF32	459.0	32	Standard
FP32	229.0	32	Standard

MEMORY SPECIFICATIONS

Capacity	128 GB
Type	HBM2E
Bandwidth	3.7 TB/s
Interface Width	—

POWER & EFFICIENCY

TDP	600 W
Est. Max Power	690 W
FP32 Efficiency	0.38 TFLOPS/W
FP16 Efficiency	0.77 TFLOPS/W

HARDWARE DETAILS

Vendor: Intel	Architecture: Gaudi 3	Process Node: 5nm
Form Factor: PCIe	Launch Year: —	Variant: HL-338

COMPUTE ENGINE

Tensor Processor Cores: 64

INTERCONNECT

GPU-to-GPU: RoCE v2 RDMA over top bridge (HLTB-304A/304B), 900 GB/s per card in a 4-card quad	Bandwidth: 900 GB/s	PCIe: Gen 5 x16
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