



NVIDIA RTX 5880 Ada 48GB

Ada Lovelace PCIe 2024 4nm

OVERVIEW

69.3 FP32 TFLOPS	48 GB Memory GDDR6	960 GB/s Memory Bandwidth	285 W TDP
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PERFORMANCE METRICS

Precision	Peak (dense)	2:4 Sparse	Bits	Type
FP64	—	N/A	—	Standard
FP32	69.3	N/A	32	Standard
TF32	—	not published	—	Standard
BF16	—	not published	—	Standard
FP16	—	not published	—	Standard
FP8	554.2	1108.4	8	Standard
FP6	—	not published	—	Standard
FP4	—	not published	—	Standard
INT8	—	not published	—	Standard

MEMORY SPECIFICATIONS

Capacity	48 GB
Type	GDDR6
Bandwidth	960 GB/s
Interface Width	384-bit

POWER & EFFICIENCY

TDP	285 W
Max power	285 W
FP32 dense TFLOPS per W of TDP	0.24 TFLOPS/W
FP16 dense TFLOPS per W of TDP	—

Per W of TDP figures divide dense peak by accelerator TDP.
Board power only: excludes host CPUs, networking, cooling and facility overhead.

HARDWARE DETAILS

Vendor: NVIDIA	Architecture: Ada Lovelace	Process Node: 4nm
Form Factor: PCIe	Launch Year: 2024	Variant: 48GB

COMPUTE ENGINE

CUDA Cores: 14,080	Tensor Cores: 440 (4th Gen)	SMs: 110
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INTERCONNECT

PCIe: 4.0 x16

ENTERPRISE FEATURES

ECC: Yes

Sparsity: Yes