



AMD Helios

72x Instinct MI455X CDNA 5 rack 2026

OVERVIEW

1,450 FP8 PFLOPS Dense	31.1 TB Aggregate Memory	1677.6 TB/s Aggregate Bandwidth	— Aggregate Power
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PERFORMANCE METRICS

Precision	Peak (PFLOPS)	Per GPU (TFLOPS)	TFLOPS/W
FP8	1449.6	20132.7	—
FP4	2899.1	40265.3	—

All figures are dense. Vendors commonly headline the sparse number, which is twice the dense one.

CONFIGURATION

Accelerator	Instinct MI455X OAM
Count	72
Memory per GPU	432 GB
Bandwidth per GPU	23.3 TB/s

POWER & EFFICIENCY

Aggregate Power	—
TDP per GPU	—
FP8 Efficiency	—
Aggregate Bandwidth	1677.6 TB/s

SYSTEM DETAILS

Vendor: AMD	Family: Helios	Architecture: CDNA 5
Form Factor: rack	Release Year: 2026	Process Node: —

INTERCONNECT

UALink over Ethernet (UALoE) scale-up; Ultra Ethernet (UEC) scale-out; AMD Pensando DPUs