Poseidon V2

PCIe Gen5 based Open HW

EDSFF E3 SSD Reference

Composable Architecture

High-Perf. Shared Storage, High-Memory, Accelerator Server

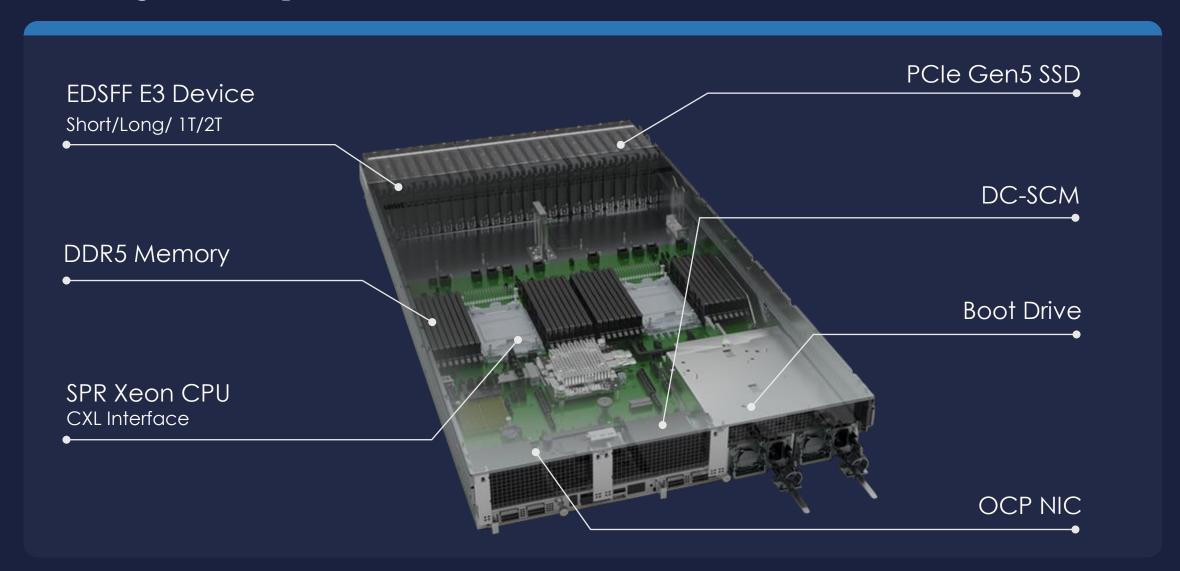
Universal Tray Design

Support Four E3 Form-Factor (E3.S 1T/2T, E3.L 1T/2T)





Key Components







Interface PCIe 5.0



PM1743



Samsung's PCIe Gen5 enabled PM1743

PCIe Gen5 is the latest 32 Gbps I/O bus technology, which offers a critical advantage to data-intensive applications.





Enhanced Telemetry









Making More than 1 PB per server

Disrupting total cost of ownership

Memory Expander(CXL)

-Industry's First CXL memory expansion solution

-Drastically expands memory bandwidth and capacity

-Implemented in industry standard EDSFF form factor

SSD Density 1024 TB Memory Density 0 GB

Number of SSD 8 Number of CXL Memory Expander 0



High density up to 128 TB Making More than 1 PB per server Disrupting total cost of ownership



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