

Driving Next-Generation Edge and Distilled AI for Distributed Networks

EAS2210 / EAS1210

Built for edge intelligence and virtualization, the DC-MHS servers EAS2210 and EAS1210 integrate EnGenius GPU and SmartNIC acceleration to empower system integrators and service providers to deliver AI solutions.



Performance

Scalable Compute and Memory Architecture

Powered by dual Intel® Xeon® 6 processors, the EAS Series supports up to 144 cores and 8TB DDR5 memory, delivering high compute density for AI, virtualization, and data-intensive workloads. With PCIe 5.0, CXL 2.0, and OCP 3.0 interfaces, it provides high-bandwidth, low-latency connectivity for GPUs, SmartNICs, and NVMe storage.

Management

Intelligent Management with IPMI and Redfish

IPMI and Redfish provide seamless out-of-band management for hardware monitoring, power control, and firmware updates. With RESTful API, administrators can automate and orchestrate large-scale operations, ensuring secure, reliable visibility across data centers and edge deployments.

DC-MHS

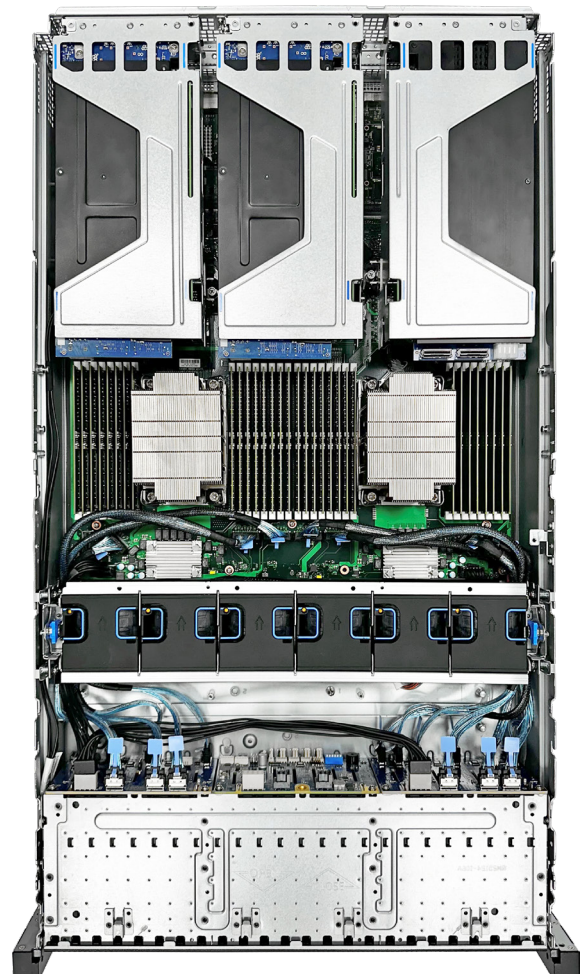
OCP DC-MHS Modular Architecture

The EAS Series architecture offers a robust foundation for high density, serviceable infrastructure. The hot swappable storage, power supply, and modular design, enable hardware expansion and upgrade.

AI Boost

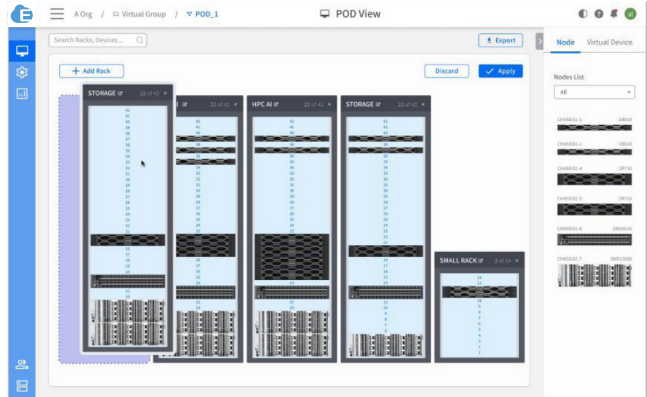
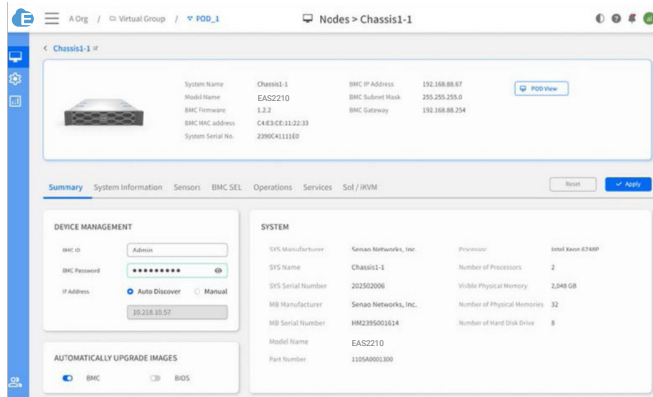
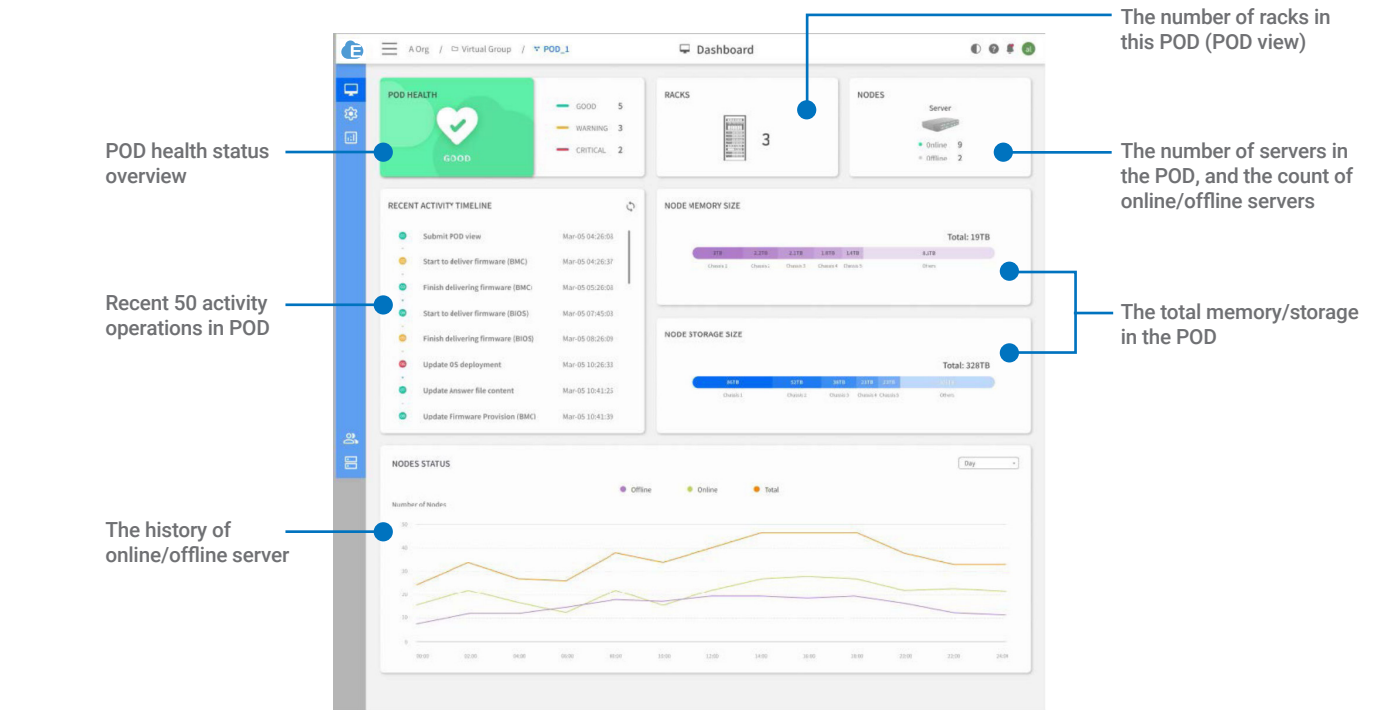
Built-in AI Acceleration for Inference and Training

Intel Advanced Matrix Extensions (AMX) and DL Boost are native, delivering deep learning performance for AI inference —making the EAS Series ideal for edge AI and real-time analytics workloads.



EnGenius Data Center Controller Centralized Management

The EnGenius Data Center Controller (EDCC) is the cornerstone of simplified, efficient management for your EnGenius EAS Series Servers. This powerful, license- free platform provides comprehensive out-of-band management capabilities, empowering IT teams with unparalleled control and visibility over their entire server fleet from a single interface.



Simplified Firmware Updates

Push unified firmware updates to multiple servers simultaneously, ensuring consistency and reducing maintenance overhead.

Out-of-Band Control

Manage servers even if the operating system is unresponsive or powered off, ensuring continuous uptime and remote troubleshooting.

Unified Device Management

Centralized control over all EAS servers, eliminating the need for individual server access.

Visual POD View

Gain a physical-to-logical view of server groupings with intuitive POD visualization, enabling more efficient resource mapping, configuration, and infrastructure monitoring.

Remote Diagnostics & Troubleshooting

Gain real-time insights into server health, performance metrics, and system logs, enabling proactive issue identification and rapid resolution from anywhere.

Scalable Deployment

Designed to manage a growing number of servers, providing seamless scalability as your data center expands.

Technical Specifications

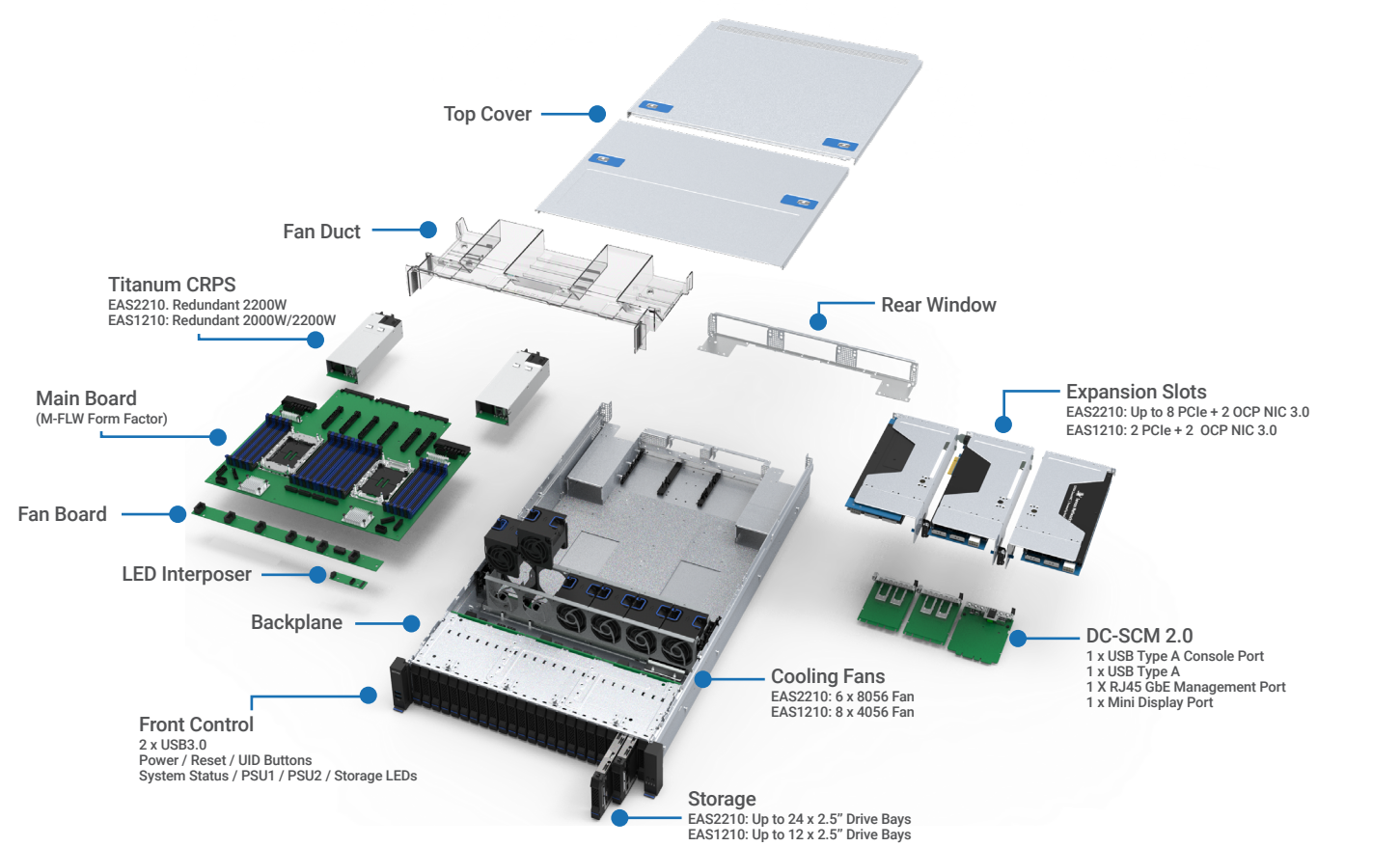
EnGenius Data Center Servers		
		
Model Name	2U Data Center Server	1U Data Center Server
Model Number	EAS2210	EAS1210
Form Factor	2U Rackmount	1U Rackmount
Processor	Intel® Xeon® 6 (6500/6700 Series) P Core: Up to 144 E Core: Up to 86 Dual processor, TDP up to 350W	Intel® Xeon® 6 (6500/6700 Series) P Core: Up to 144 E Core: Up to 86 Dual processor, TDP up to 350W
Socket Type	2 x LGA4710	2 x LGA4710
Memory	Slot Count: 32 DIMM slots (16 DIMMs per CPU) DDR5 ECC RDIMM 6400MT/s 1DPC 5200MT/s 2DPC Capacity: 8TB with 256 GB DDR5	Slot Count: 32 DIMM slots (16 DIMMs per CPU) DDR5 ECC RDIMM 6400MT/s 1DPC 5200MT/s 2DPC Capacity: 8TB with 256 GB DDR5
Drive Bays	Up to 24x 2.5"NVMe PCIe 5.0 Hot-Swap drive bays Intel VROC Key Header	Up to 12x 2.5"NVMe PCIe 5.0 Hot-Swap drive bays Intel VROC Key Header
System Cooling	Air Cooling 6 x Smart FAN (60 x 60 x 56 mm)	Air Cooling 8 x Smart FAN (40 x 40 x 56 mm)
Expansion Slot	Rear: 3x PCIe 5.0 x16 FH3/4L with Double Width or 6x PCIe 5.0 x8 FH3/4L with Single Width 1x PCIe 5.0 x8 HHHL 1x PCIe 5.0 x16 FHHL 2x OCP3.0 x8 SFF	Rear: 1x PCIe 5.0 x8 HHHL 1x PCIe 5.0 x16 FHHL 2x OCP3.0 x8 SFF
I/O Port	Front: 2x USB3.0 Type A Rear: 1x USB3.0 Type A for BMC 1x Mini Display for BMC 1x USB3.0 Console for BMC 1x MGNT GE for BMC	Front: 2x USB3.0 Type A Rear: 1x USB3.0 Type A for BMC 1x Mini Display for BMC 1x USB3.0 Console for BMC 1x MGNT GE for BMC
Power Supply	M-CRPS 2200W, per PSU model 80 Plus Titanium Level (96%) 2x Hot Swap Redundant AC Input 110V - 240V	M-CRPS 2000W/2200W, per PSU model 80 Plus Titanium Level (96%) 2x Hot Swap Redundant AC Input 110V - 240V
Security	Trusted Platform Module(TPM) 2.0 Platform Firmware Resilience (PFR) 4.0 Intrusion Detection (Open Chassis Cover)	Trusted Platform Module(TPM) 2.0 Platform Firmware Resilience (PFR) 4.0 Intrusion Detection (Open Chassis Cover)
Chassis	Dimension (W x D x H):438 x 790 x 88 (mm) Weight: around 25KG	Dimension (W x D x H):438 x 790 x 44 (mm) Weight: around 18KG
Environment	Operating Temperature: 10°C to 35°C Storage Temperature: -20°C ~60°C Relative Humidity: 10%~90% (Non-Condensing)	Operating Temperature: 10°C to 35°C Storage Temperature: -20°C ~60°C Relative Humidity: 10%~90% (Non-Condensing)

Technical Specifications

System Management	IPMI 2.0 Management Redfish Management HTTPS Web Management IPv4/ IPv6 Address Dashboard Hardware Sensor Monitor KVM console Serial over LAN Virtual Media Firmware Upgrade(BMC/BIOS) Event Log & Alert (SMTP/ SNMP/Syslog) LDAP/ Windows AD/ Radius User Account Management System Firewall (IP Access Control) Hardware Root of trust (RoT) Backup & Restore Configuration Protocol support: SNMP, SMTP, DHCP, NTP, DNS, Dynamic DNS Intel Platform Feature: Platform Firmware Resilience (PFR), Autonomous Crash Dump (ACD)	IPMI 2.0 Management Redfish Management HTTPS Web Management IPv4/ IPv6 Address Dashboard Hardware Sensor Monitor KVM console Serial over LAN Virtual Media Firmware Upgrade(BMC/BIOS) Event Log & Alert (SMTP/ SNMP/Syslog) LDAP/ Windows AD/ Radius User Account Management System Firewall (IP Access Control) Hardware Root of trust (RoT) Backup & Restore Configuration Protocol support: SNMP, SMTP, DHCP, NTP, DNS, Dynamic DNS Intel Platform Feature: Platform Firmware Resilience (PFR), Autonomous Crash Dump (ACD)
	EnGenius Data Center Controller	EnGenius Data Center Controller

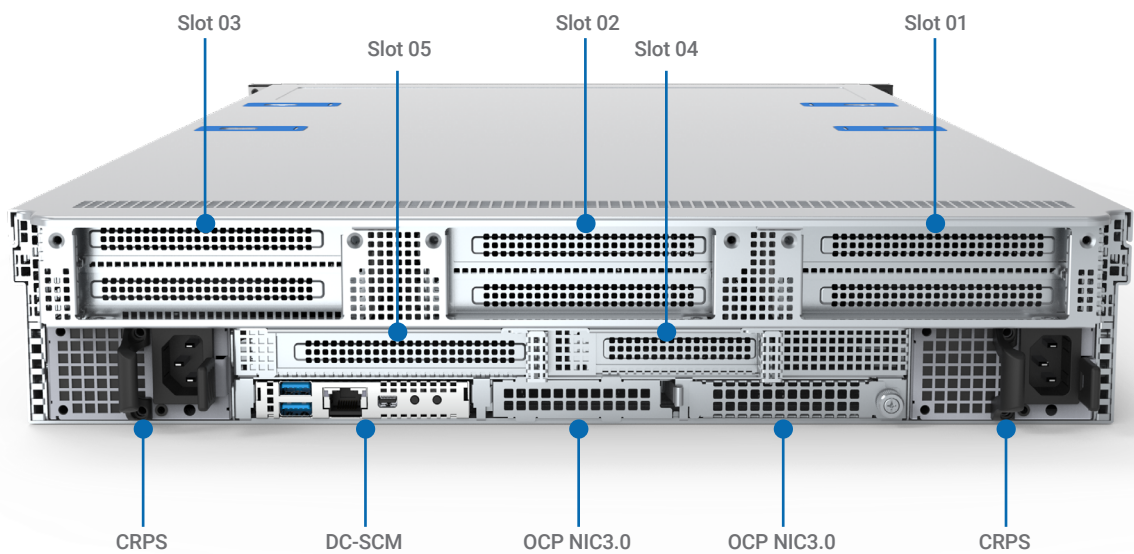
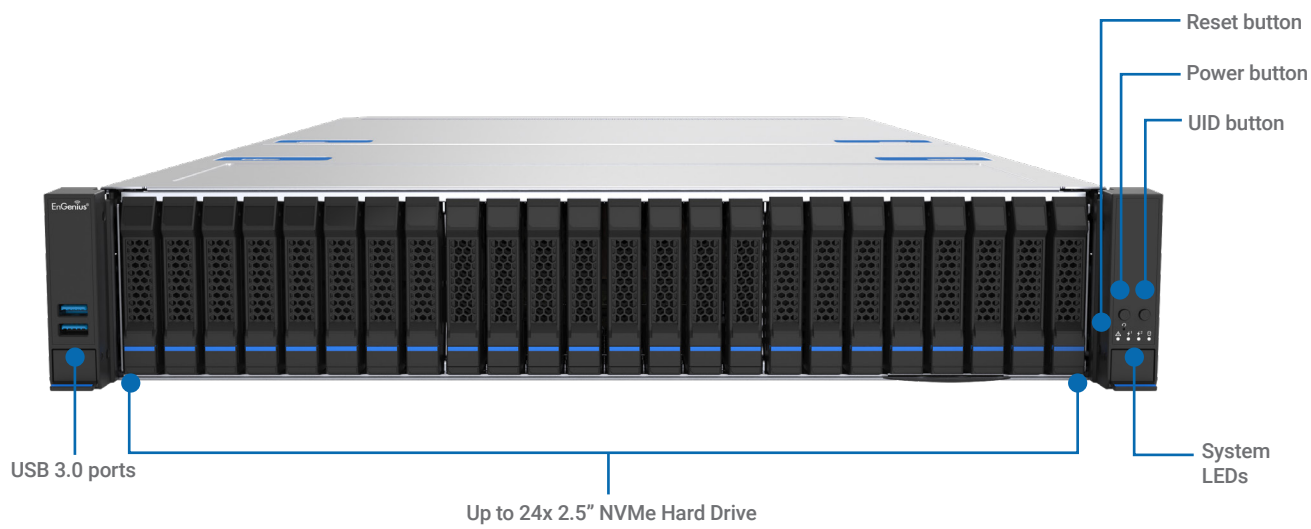
Modular Design for Efficient Deployment and Maintenance

The EnGenius EAS Series adopts a fully modular, DC-MHS-compliant architecture, designed to simplify component servicing and support scalable infrastructure deployment. This design streamlines server installation, upgrades, and maintenance, enabling IT teams to expand infrastructure efficiently while minimizing operational complexity and downtime.



Hardware Overview

EAS2210 (2U form factor)

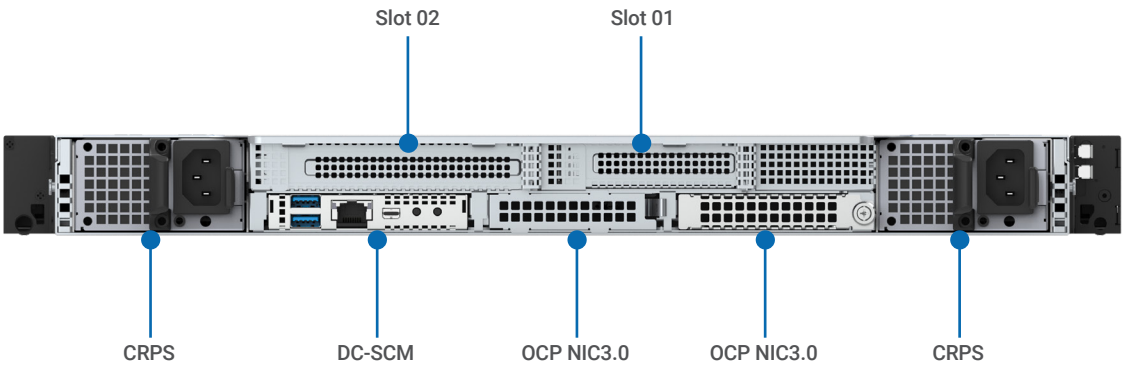
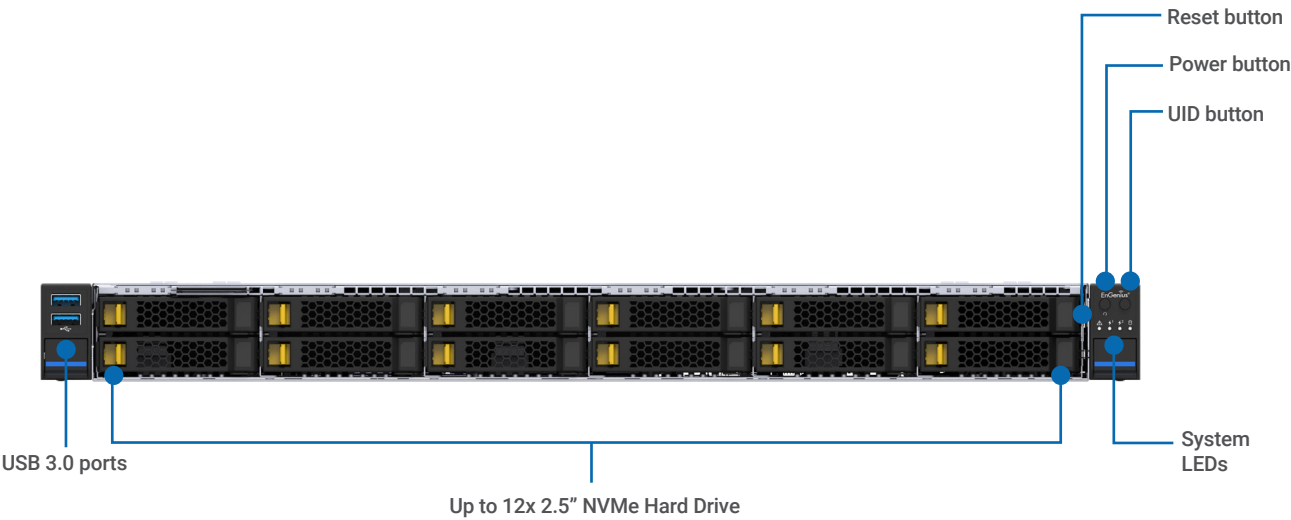


DC-SCM:
1 x USB Type A (Console)
1 x USB Type A
1 x RJ45 GbE MGMT Port
1 x Mini Display Port

Slot 01~05:
Slot01~Slot 03: 2 different config
- Config 1: 3 x PCIe 5.0x16 for Double Width, FH 3/4L
- Config 2: 6 x PCIe 5.0x 8, FH 3/4L
Slot04: PCIe 5.0 x8, HHHL
Slot05: PCIe 5.0x16, FHHL

Hardware Overview

EAS1210 (1U form factor)



DC-SCM:
1 x USB Type A (Console)
1 x USB Type A
1 x RJ45 GbE MGMT Port
1 x Mini Display Port

Slot 01~02:
Slot01: PCIe 5.0 x8, HHHL
Slot02: PCIe 5.0x16, FHHL

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