



# Entei

## 2U24Bay Storage Server System

### Highlights

- 2<sup>nd</sup> Gen Intel® Xeon®  
Scalable and Intel® Xeon®  
Scalable Processors
- Efficient Dual-socket System
- 24 LFF HDD Bay in 2U Form  
Factor
- Optimum Storage Density
- Flexible and Scalable I/O  
Options
- Optimized Serviceability



Cloud Block Storage



Cloud Object Storage



Cloud File Storage



Cloud Archive Storage

Entei is a 2U dual socket storage server that can support 24x 3.5" and 4x 2.5" form factor hot-swappable drives with easy serviceability, offering balanced computing power and storage capacity, flexible I/O expansibility, and hardware redundancy. It is ideal for deployments of warm storage and software defined workloads.

### High Performance

Dual Intel® Xeon® Scalable processors with twelve DIMM capacity (up to 768GB with 64GB DIMMs) that lays a new foundation of scalability offering optimized workload for synergy across computing, network and storage, higher virtualized workload throughput and number of VMs, a great boost in performance, security, agility and efficiency, while catering to a wide range of key workloads.

### Ultra-Dense in 2U Form Factor

Entei storage servers are not only composed of 24 LFF HDD bays and 4 rear side SFF SSD bays that are both hot-pluggable in a compact 2U form factor, but also offers multiple storage options for greater flexibility and scalability. NVMe support in the rear allows for a caching layer. It also includes 2x M.2 via interposer connection and a variety of storage mezzanine cards. Entei is an ideal hybrid system for warm storage and applicable for further storage applications. By optimizing the ratio of SSDs and HDDs, it can highly accelerate IOPS and throughput performance while the excellence of storage capacity is delivered.

### Front View



### Rear View



## Great Density and Scalability

Adopts the Intel® C621 chipset, supports dual Intel® Xeon® Scalable processors, and has up to 768GB of DDR4 memory. Entei hosts 3 PCIe x16 lanes, enabling expansion of up to 4 PCIe cards (two x8, two x16) with riser boards, and also supports Intel® Optane™ DC persistent memory, etc.

## Flexible Network Configuration

Offering a dual 25G SFP28 OCP NIC mezzanine option, ranging from 10G Ethernet to 40G (optical or Base-T, compatible with OCP 2.0), the high-speed performance and I/O flexibility are realized, catering to suitable demands of different application procedures.

# Entei | Storage Server

<b>Positioning</b>	General Purpose / Warm Storage
<b>Form Factor</b>	2U24Bay-2P rack mount with slide rail for HDD tray W x H x D: 447x 87x 890 mm (17.60x 3.43x 35.04 inch)
<b>Processor</b>	Dual Socket; 2 <sup>nd</sup> Gen Intel® Xeon® Scalable Processors / Intel® Xeon® Scalable Processors TDP : up to 165W
<b>Memory Slot</b>	12x DDR4 DIMM slots 6 channels per socket with 1 DPC DIMM Type: ECC RDIMM, LRDIMM at 1866/2133/2666/2933MHz Support Intel® Optane™ DC Persistent Memory
<b>Chipset</b>	Intel® C621
<b>Disk Drive Bay</b>	Front HDD Tray: 24x 3.5" SAS/SATA hot-plug drive Rear HDD BP:4x NVMe SSD or 4x SATA SSD Internal:2x SATA M.2 w/ Interposer
<b>Expansion Slot (Rear side)</b>	Left side: 2x PCIe Gen3 x16 (HHHL) Right side: 2x PCIe Gen3 x8 (HHHL) for 1x IEC SAS Mezz (option1) Bottom: 1x OCP 2.0 10G/25G/40G NIC Mezz
<b>Network Controller</b>	Support 10GbE/25GbE/40GbE OCP Mezz or Standard PCIe card
<b>Storage Controller</b>	Option1: Inventec SAS Mezz w/ SAS3224-24i/SAS3324 (12Gb/s) IOC Option2: SAS9305-24i (12Gb/s)
<b>System Management</b>	IPMI 2.0 compliant+ KVM with Dedicated LAN
<b>TPM</b>	TPM2.0 (optional)
<b>Power Supply</b>	1+1 redundancy 1300W (100-220VAC & 240V HVDC) Platinum
<b>Fan</b>	N+1 redundancy, 5x 6056 hot-swap fan

## About Inventec Data Center Solutions (Inventec EBG)

Inventec Data Center Solutions (Inventec EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems in Inventec Corporation. Over decades, Inventec EBG has been the key server system supplier of the global branding clients.

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