Inventec

Inventec Data Center Solutions

E850G4

intel. XEON PLATINUM | PCI EXPRESS | DDR4

High Performance MEC Server

Highlights

- **Balanced Computing Solution with Dual Processors**
- **Up to 7x PCIe Gen3 slots to support multi-scenarios.**
- **NUMA-Balanced infrastructure**
- **Certified by Nvidia (NGC-Ready)**

E850G4 is the first edge line product by Inventec, targeting multi-access edge computing (MEC), content acceleration, network-in-a-box, and network function virtualization (NFV) applications, among others, in the blooming new market of 5G and edge datacenter. E850G4 is developed based on China Open Telecom IT Infrastructure (OTII) hardware specifications, providing high scalability and great storage capacity in a compact 450mmin-depth edge chassis that meets both server and telecommunication industry standards, including up to seven PCIe Gen3 slots, twelve DDR4 Dimm slots that support Intel Optane DC memory, and up to eight SFF SAS/SATA/ NVMe hot-pluggable drive bays. It is generally compatible with facilities owned by cloud and communication service providers in various edge levels, meeting the hardware requirements of vRAN, virtual core networks and multiple edge computing applications.

Front View

Rear View

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E850G4 | MEC Server

Balanced Computing Performance, Optimized I/O Workload

E850G4 is equipped with dual socket 2nd Gen Intel® Xeon® Scalable Processors, enabling non-uniform memory access (NUMA) and single CPU operation, offering balanced computing performance. Meanwhile, the series provides onboard dual 10G SFP+ ports and a rich variety of network expansion options from standard NICs and SmartNICs with remote direct memory access (RDMA) support, bringing up to 200GbE high-speed network connectivity and optimal I/O workloads.

Positioning	Edge Computing
Form Factor	2U1N Rack-Mounted W x H x D: 447 x 87 x 450mm (17.60" x 3.43" x17.72")
Processor	Dual Socket;2nd Gen Intel® Xeon® Scalable Processors
Memory	12x DDR4 DIMM slot, Up to 1.5 TB
Chipset	Intel®C620 series (C622)
Disk Drive Bay	Primary bays: 6 (+2) 2.5" SAS/SATA/NVMe hot-plug drive
Expansion Slot	3x PCIe Gen3 x8 (Low Profile) 4x PCIe Gen3 x16 (Low Profile)
Network Controller	Onboard: Dual port 10G SFP+ Supporting 10G/25G/100G standard PCIe NIC/SmartNIC cards
Storage Controller	Onboard: 3x SATA slimline x4 2x SATA 7-pin slot
System Management	IPMI 2.0 compliant+ KVM withDedicated LAN
Power Supply	800W/1300W CRPS 1+1 redundancy
Fan	8056 dual rotor fan 3+1 redundancy

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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