

GP-6270

Xeon-6 SOC CEB

Intel 2U Xeon-6 SOC General-Purpose Server



Overview

The EdgeNectar GP-6270 is a high-performance 2U server platform designed for data-intensive and edge-ready workloads in 5G, cloud, and AI environments. Featuring the latest 6th Generation Intel® Xeon® SoC, it delivers exceptional compute density, flexible scalability, and energy efficiency. An ideal choice for private/managed cloud MSP, security vendors, and system integrators.

Key Features

- Single 6th Generation Intel® Xeon® SoC Processor (12C~72C)
- DDR5 4800-6400 MT/s RDIMM Memory
 - HCC: 4 × DIMM Slots
 - XCC: 8 × DIMM Slots
- Onboard 8 × 25 Gb/s Optical Ports (via SoC built-in network card)
- 2 × 1 Gb/s RJ45 Ethernet Electrical Ports
- Up to 12 × 3.5";
- Up to 24 × 2.5" with max 4 × U.2;
- 2 × M.2 2280 SATA Storage Slots, supporting RAID 0/1
- Configure 1: 4 × PCIe Gen5 x16(Bandwidth x8) HHFL Singel-Slots+ 1 × PCIe Gen4 x16(Bandwidth x8) HHFL Singel-Slot
- Configure 2: 1 × PCIe 5.0 x16(Bandwidth x8) FHFL Singel-Slots + 1 × PCIe 5.0 x8(Bandwidth x8) FHFL Dual-Slots
- Configure 3: 1 × PCIe 5.0 x16(Bandwidth x16) FHFL Dual-Slot + 1 × PCIe 4.0 x8(Bandwidth x8) HHFL Single-Slot

Applications

- **VDI / Virtual Desktop Infrastructure** – High-performance, scalable virtual desktop hosting for enterprises.
- **NetSec High-End** —A unified security and analytics platform for demanding environments.

- **vRAN / vDU & vCU Platforms** – Virtualized RAN compute for 5G and private networks.
- **Edge Cloud** — Enterprise private cloud, serving as the foundational computing platform for system integration.

Product Appearance



Technical Specifications

Motherboard	Xeon-6 SOC CEB
System	19" Standard Rack-Mountable, 2RU; Dimensions (Length x Width x Height): 660.0 mm x 436.0 mm x 87.0 mm
CPU	6th Generation Intel® Xeon® SOC Processor, supporting HCC (12C to 42C) and XCC (56C to 72C); Supports vRAN, QAT, and Media hardware accelerators
Memory	DDR5 4800-6400 MT/s RDIMM; HCC: 4 x DIMMs, XCC: 8 x DIMMs
Storage	2 x M.2 2280 SATA Storage Slots, supporting RAID 0/1 Up to 12 x 3.5"; Up to 24 x 2.5" with max 4 x U.2
I/O	8 x 25G GbE SFP28 Optical Ports (Rear); 2 x 1GbE RJ45 Electrical Ports (Rear); 1 x GbE RJ45 for BMC (Rear); 2 x USB3.2/2.0 (Rear); 1 x VGA (Rear); 1 x COM (Rear); 2 x USB3.2/2.0 (Front)
Buttons	1 x Power On/Off, 1 x System Reset, 1 x UID
LEDs	Power Status, 1 x HDD Activity, 2 x LAN Activity, 1 x UID
PCIe Expansion	Configure 1: 4x PCIe Gen5 x16(Bandwidth x8) HHFL Singel-Slots

	1× PCIe Gen4 x16(Bandwidth x8) HHFL Singel-Slot Configure 2: 1× PCIe 5.0 x16(Bandwidth x8) FHFL Singel-Slots 1× PCIe 5.0 x8(Bandwidth x8) FHFL Dual-Slots Configure 3: 1 × PCIe 5.0 x16 (x16 bandwidth) FHFL Dual-Slot Slots 1 × PCIe 4.0 x8 (x8 bandwidth) HHFL Single-Slot GPU Slot
BMC	Aspeed® AST2600
TPM	Optional TPM 2.0 Support
Rails	Optional rail installation support;
Fans	4 Sets of 8038 Fans
Power Supply	1+1 800W CRPS (Common Redundant Power Supply) Power Supplies

Contact Us

www.edgenectar.com
info@edgenectar.com