AIGE-9003-Xeon1

Main Features

- Single Socket Intel® Xeon-SP (Ice Lake) up to 32 Cores
- 3x PCIe4.0 x16 slot
- 2x 10 Gigabit Ethernet Ports
- 4x 2.5" Internal Drive Bays
- 4x USB 3.0, 2x USB 2.0

Product Overview

Multi-Access Edge Computing (MEC), Universal Customer Premise Equipment (uCPE), Network Function Virtualization (NFV), Artificial Intelligence (AI) on Edge, Machine Learning (ML), Industrial Automation, Retail, Smart Medical Expert Systems.

Specifications

Form Factor
- Fan-based Embedded Rackmount
  - Enclosure: 267 x 109 x 406mm (10.5" x 4.3" x 16")
  - Package: 416 x 264 x 660mm (16.4" x 10.4" x 26")

Processor
- Single Socket P+ (LGA-4189) for 3rd Gen Intel® Xeon® Scalable processors
- Up to 32C/64T; Up to 48MB Cache per CPU
- Supports 85W - 85W TDP CPUs (Air Cooled)

System Memory
- Memory Capacity: 8 DIMM slots
- Memory Type: 3200MHz ECC DDR4 RDIMM/LRDIMM

Drive Bays
- 4x 2.5" SATA drive bays
- 1 M.2 NVMe OR 1 M.2 SATA3
- M-Key, 2280/22110

Expansion Slots
- 3 PCIe 4.0 x16 FHFL slot(s)

On-Board Devices
- SATA: SATA3 (6Gbps); RAID 0/1/5/10 support
- Chipset: Intel® C621A
- Network Connectivity: 2x 10GbE BaseT port(s)
- IPMI:
  - Support for Intelligent Platform Management Interface v.2.0
  - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Input / Output
- Video: 1 VGA port(s)
- Serial Port: 1 COM Port(s) (1 front)

System Cooling
- Fans: 3 heavy duty fans with optimal fan speed control
- Air Shroud: 1 Air Shroud(s)

Power Supply
- 600W Gold Level power supply

System BIOS
- BIOS Type: AMIUEFI
- BIOS Features: SMBIOS 3.0 or later

Management
- Redfish API
- Supermicro Server Manager (SSM)
- Supermicro Power Manager (SPM)
- Supermicro Update Manager (SUM)
- SuperDoctor® 5
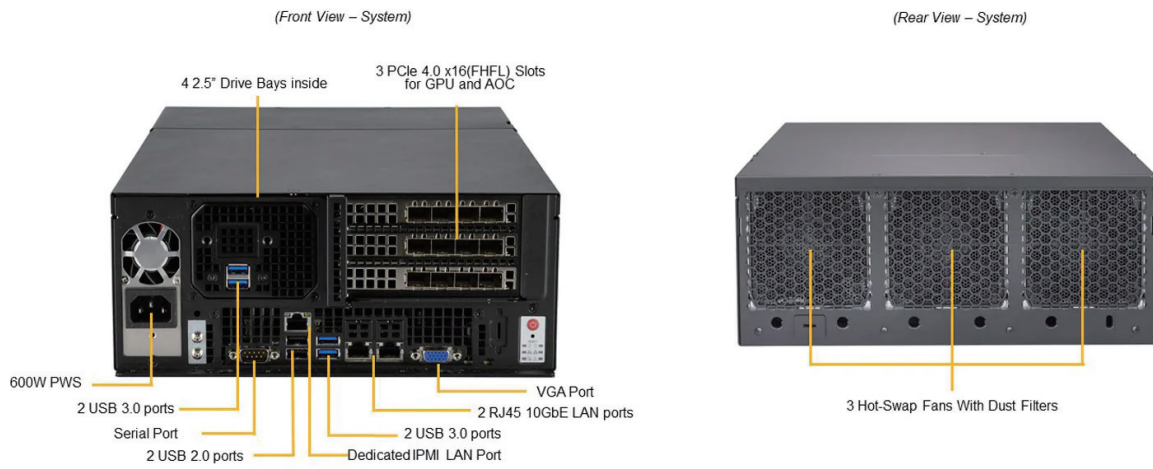- Super Diagnostics Offline
- KVM with dedicated LAN
- IPMI 2.0

Dimensions and Weight
- Height: 4.3" (109 mm)
- Width: 10.5" (267 mm)
- Depth: 16" (406 mm)
- Gross Weight: 24 lbs (10.89 kg)
- Net Weight: 18 lbs (8.16 kg)
- Packaging: 10.4" (H) x 16.4" (W) x 26" (D)
- Available Color: Black

Operating Environment
- Operating Temperature: 0°C to 45°C (32°F ~ 113°F)
- Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)

I/O Connectors

(Front View – System)

4 2.5" Drive Bays inside
3 PCIe 4.0 x16(FHFL) Slots for GPU and AOC

(Rear View – System)

600W PWS
2 USB 3.0 ports
Serial Port
2 USB 2.0 ports
Dedicated IPMI LAN Port
VGA Port
2 RJ45 10GbE LAN ports
2 USB 3.0 ports

3 Hot-Swap Fans With Dust Filters

- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

Motherboard
- Super X12SPW-TF

Chassis
- CSE-E403iF-000NBP

Ordering Information

- **AIGE-9003-Xeon1 (P/N: 86-SYS-SPMR-0)**
  Entry AI edge server for training and inference SYS-E403-12P-FN2T

- * Note: This is an assembled product. The delivery content requires the purchase of additional CPU, Memory, hard drives, operating systems, and power cords. Please provide the required specifications to our sels for professional assistance.