

IoT SuperServer SYS-E300-12D-10CN6P



More details here

Key Applications

Universal Customer Premise Equipment (uCPE), Network Security Appliance, Software Defined WAN (SD-WAN), NFV Edge Computing Server, IoT Edge Computing / Gateway,

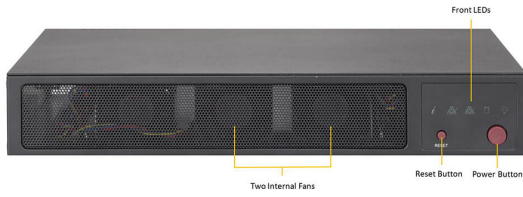
Key Features

- Intel® Xeon® D Processor D-1747NTE;
- 4x DDR4-2933MHz R-DIMM max 256GB or U-DIMM 128GB;
- Support PCIe 4.0 x16 Slot (Optional); Support M.2 M/B/E-Key with Nano SIM Card Slot;
- 4x LAN 1GbE + 2x LAN SFP28 25GbE + IPMI;
- Support 1x 2.5" drive bays (Optional);

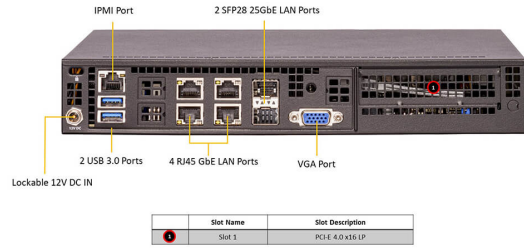


Form Factor	Fan-based Embedded Rackmount Enclosure: 264.8 x 43 x 225.8mm (10.43" x 1.69" x 8.89") Package: 381 x 276 x 142mm (15" x 10.87" x 5.59")
Processor	Single FCBGA-2227 Intel® Xeon® Processor D-1747NTE Up to 10C/20T; Up to 15MB Cache
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 256GB 2933MT/s ECC DDR4 RDIMM/UDIMM
Drive Bays	1x 2.5" SATA drive bays (Optional) 1x E-Key 2230 (PCIe 3.0 x1 / USB2.0) 1x B-Key 2280/3042/3052 (PCIe 3.0 x2 / SATA3.0 / USB3.0) 1x M-Key 2280 (PCIe 3.0 x4 (NVMe) / SATA3.0)
Expansion Slots	1 1x PCIe 4.0 x16 Low Profile slot(s) Note: Either support expansion slot or one 2.5" drive. Need to order optional riser card for expansion slot.
On-Board Devices	Chipset: Intel® SoC Network Connectivity: 2x 25GbE SFP28 4x 1GbE BaseT with Intel® i210-AT and Intel® I350-AM2 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	LAN: 1 RJ45 Dedicated IPMI LAN port 2 SFP28 25GbE 4 RJ45 1GbE LAN ports USB: 2 USB 3.0 port(s) (2 Type A) Video: 1 VGA port(s)

(Front View - System)



(Rear View - System)



System Cooling	Fans: 2x 4-PIN PWM 40x40x28mm Fan(s) 3x 4-PIN PWM 40x40x28mm Fan(s)
Power Supply	180W Level power supply
System BIOS	BIOS Type: AMI 32MB UEFI AMI 32MB UEFI AMI 32MB UEFI AMI 32MB UEFI BIOS Features: PCI FW 3.0
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	FAN: 3x 4-pin fan headers System level control PWM fan speed control Fan speed control 3 fans with tachometer status monitoring PWM fan speed control Overheat LED indication Temperature: CPU thermal trip support Peripheral temperature System temperature Memory temperature NVMe temperature Platform Environment Control Interface (PECI)/TSI
Dimensions and Weight	Height: 1.69" (43 mm) Width: 10.43" (264.8 mm) Depth: 8.89" (225.8 mm) Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.7 lbs (1.6 kg) Packaging: 10.87" (H) x 15" (W) x 5.59" (D) Palletized Packing (W x H x L): 54.33" (1380 mm) x 78.5" (1993 mm) x 35" (890 mm) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12SDV-10C-SP6F
Chassis	CSE-E300

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X12SDV-10C-SP6F	CSE-E300
Qty	1	1
Description	Super X12SDV-10C-SP6F Motherboard	Fan-based Embedded Chassis

Cable

Part Number	CBL-0473L	CBL-PWEX-0982
Qty	1	1
Description	7pin SATA (STR to STR), 21cm, PBF	PWR EXT,1X4F/P2.50 TO SATA POWER, 25CM, 22AWG

Fan

Part Number	FAN-0065L4
Qty	3
Description	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M

Power Supply

Part Number	MCP-250-10133-0N
Qty	1
Description	180W DC power adapter with US power cord 18AWG 6ft

Manual

Part Number	MNL-2556-QRG
Qty	1
Description	E300-12D-4/8/10CN6P Quick Reference Guide

Optional Parts List

Bracket for 3050/52 M.2 module

Part Number	MCP-410-00021-0N
Qty	1
Description	Screw and Extension Bracket kit with bag for 5G M.2 3050/52

Expansion slot kits

Part Number	RSC-S-6G4
Qty	1
Description	1U LHS Standard riser card with one PCIe 4.0 x16 slot,HF

Rackmount kits

Part Number	MCP-290-30002-0B- Store (https://store.supermicro.com/cse-6300-rackmount-kit.html)
Qty	1
Description	CSE-E300 Rackmount kit with power adapter holder

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