

# IoT SuperServer SYS-E302-12D-8C



More details here

## Key Applications

IoT Gateway, Network Security Appliance, SD WAN, Embedded Networking Applications, Retail, Industrial Automantion, Artificial Intelligence, Machine Learning,

## Key Features

- Wall Mount Bracket;
- Intel® Ice Lake Xeon D-1736NT 15MB 8 Cores 2.7GHz QAT 20G, 67W;
- Up to DDR4 2933MHz 256GB RDIMM or 128GB RDIMM;
- 1x M.2 B-Key (3042/3052/2280)&Nano SIM Slot 1x M.2 M-Key(2280) 1x M.2 E-Key (2230);
- 6 Networking Interface (2 x25G SFP28, 4 x 1GbE); 1 Dedicated IPMI LAN;
- 1x 2.5" SATA drives and 1x M.2 M-Key 2280;
- Fanless Cooling; Operating Temperature: 0°C to 35°C (32°F to 95°F);
- 180W 12V Lockable DC Power Adapter;

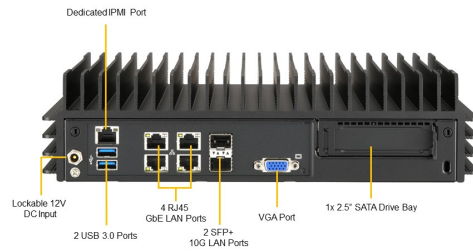


<b>Form Factor</b>	Fanless Embedded Rackmount Enclosure: 295 x 76 x 206mm (11.6" x 3" x 8.1") Package: 418 x 305 x 194mm (16.45" x 12" x 7.6")
<b>Processor</b>	Single FCBGA-2227 Intel® Xeon® Processor D-1736NT Up to 8C/16T; Up to 15MB Cache
<b>System Memory</b>	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 256GB 2933MT/s ECC DDR4 RDIMM
<b>Drive Bays</b>	1x 2.5" SATA/PCIe drive bays 1x M-Key 2280 (PCIe 3.0 x4 / SATA 3.0)
<b>On-Board Devices</b>	Chipset: Intel® SoC Network Connectivity: 4x 1GbE GbE 2x 25GbE SFP28 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated IPMI LAN port 2x 25GbE SFP28 4x 1GbE USB: 2 USB 3.0 port(s) (2 USB) Video: 1 VGA port(s)

(Front View – System)



(Rear View – System)



System Cooling	Fans: N/A
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	Temperature: CPU thermal trip support Peripheral temperature System temperature Memory temperature NVMe temperature Platform Environment Control Interface (PECI)/TSI
Dimensions and Weight	Height: 3" (76 mm) Width: 11.6" (295 mm) Depth: 8.1" (206 mm) Gross Weight: 12 lbs (5.44 kg) Net Weight: 8 lbs (3.63 kg) Packaging: 12" (H) x 16.45" (W) x 7.6" (D) Palletized Packing (W x H x L): 50.79" (1290 mm) x 87.8" (2230 mm) x 34.25" (870 mm) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 35°C (32°F ~ 95°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-8C-SP6F-01
Chassis	CSE-E302iL

## Parts List

### Standard Parts (Parts Included)

#### Motherboard / Chassis

Part Number	MBD-X12SDV-8C-SP6F-01	CSE-E302IL
Qty	1	1
Description	Super X12SDV-8C-SP6F-01 Motherboard	Fanless Embedded Chassis

#### 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-2565-QRG
Qty	1
Description	E302-12D-4C/8C Quick Reference Guide

#### \* Cable

Part Number	MCP-180-30202-0N
Qty	1
Description	Y split,DC lockable input ,DC5.5 to 2x4P, 40cm, 22AWG,RoHS

#### Notes:

1. Parts with \* are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

### Optional Parts List

#### Cable

Part Number	CBL-SAST-0886	CBL-0473L
Qty	1	1
Description	SATA 15pin x2 to 4pin /P2.5,40CM,22AWG,RoHS	7pin SATA (STR to STR), 21cm, PBF

#### Wall mount/VESA mount

Part Number	MCP-290-30201-0B
Qty	1
Description	WALL / VESA mount kit with adapter holder

[Global SKU \(/en/products/SMC\\_global\\_skus\)](#)