

IoT SuperServer SYS-E302-12D-8C (Complete System Only)



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 UDIMM
1x M.2 B-Key (3042/3052/2280)&Nano SIM Slot 1x M.2 M-Key(2280) 1x M.2 E-Key (2230)
1 Dedicated IPMI LAN 6 Networking Interface (2 x25G SFP28, 4 x 1GbE)
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

Product SKUs	
SYS-E302-12D-8C	SuperServer SYS-E302-12D-8C (Black)
Motherboard	
Super X12SDV-8C-SP6F	
Processor	
CPU	- Single FCBGA-2227 - Intel® Xeon® Processor D-1736NT, 8 Cores/16 Threads CPU TDP 67W - Support CPU TDP 67W
Cores	Up to 8C/16T; Up to 15MB Cache
System Memory	
Memory	- Memory Capacity: 4 DIMM slots - Up to 256GB: ECC RDIMM - Memory Type: 2933MHz ECC DDR4 RDIMM
Memory Voltage	1.2 V
Error Detection	ECC
On-Board Devices	
Chipset	Intel® SoC
Network Connectivity	4x 1GbE GbE 2x 25GbE SFP28
Input / Output	
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)
System BIOS	
BIOS Type	AMI 32MB UEFI
BIOS Features	- ACPI 6.3 - PCI FW 3.0 - SMBIOS 3.3 - UEFI 2.7
Management	
Software	- Chassis intrusion header and detection - Trusted Platform Module (TPM) support - SuperDoctor® 5
Power Configurations	- Rear USB Port(s) - Front USB Port(s) - Restore on AC Power Loss - Power Button Function - Watch Dog Function

Chassis	
Form Factor	Compact
Model	CSE-E302iL
Dimensions and Weight	
Height	3" (76mm)
Width	11.6" (295mm)
Depth	8.1" (206mm)
Package	10.87" (H) x 15" (W) x 5.59" (D)
Weight	- Net Weight: 3.45 lbs (1.56 kg) - Gross Weight: 7.5 lbs (3.4 kg)
Available Color	Black
Front Panel	
Buttons	- Power On/Off - UID button
LEDs	- HDD activity - LAN1 activity - LAN2 activity - Power status - System information
Drive Bays / Storage	
Drive Bays	1x 2.5" SATA/PCIe drive bays
M.2	1x M-Key 2280 (PCI-E 3.0 x4 / SATA 3.0) 1x B-Key 2280/3042/3052 (PCI-E 3.0 x4 / SATA 3.0 / USB 3.0)
System Cooling	
Fans	N/A
Power Supply	
180W 12V Lockable DC Power Adapter	
AC Input	150W: 100-240Vac / 12.5A Max / 47-63Hz
Operating Environment	
Environmental Spec.	- 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)