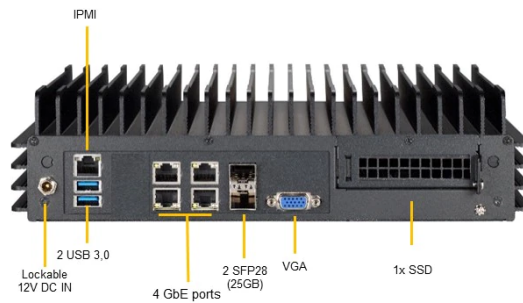


IoT SuperServer SYS-E302-12D-8C

SuperServer SYS-E302-12D-8C

(Front View – System)



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Key Applications

- IoT Gateway
- Network Security Appliance
- SD WAN
- Embedded Networking Applications

Key Features

1. 8-Core High Density ICX-D SoC processor for edge network computing
 2. 1 Dedicated IPMI LAN
6 Networking Interface (2 x25G SFP28, 4 x 1GbE)
 3. 1x 2.5" SATA drives and 1x 2280 M.2
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Specifications

Product SKUs

SYS-E302-12D-8C	▪ SuperServer SYS-E302-12D-8C
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Motherboard

Super X12SDV-8C-SP6F

Processor

CPU	<ul style="list-style-type: none"> ▪ Single FCBGA-2227 ▪ Intel® Xeon® Processor D-1736NT, 8 Cores/16 Threads ▪ CPU TDP 67W ▪ Support CPU TDP 67W
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Cores	▪ Up to 8C/16T; Up to 15MB Cache
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System Memory

Memory	<ul style="list-style-type: none"> ▪ Memory Capacity: 4 DIMM slots ▪ Up to 256GB: ECC RDIMM ▪ Memory Type: 2933MHz ECC DDR4 RDIMM
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Memory Voltage	▪ 1.2 V
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Error Detection	▪ ECC
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On-Board Devices

SATA	▪ M.2 M,B-Key (6Gbps)
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Chipset	▪ Intel® SoC
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Network Connectivity	<ul style="list-style-type: none"> ▪ 4x 1GbE GbE ▪ 2x 25GbE SFP28
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IPMI	<ul style="list-style-type: none"> ▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
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Input / Output

Video	▪ 1 VGA port(s)
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System BIOS

BIOS Type	▪ AMI 32MB AMI UEFI
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BIOS Features	<ul style="list-style-type: none"> ▪ ACPI 6.3 ▪ PCI FW 3.0 ▪ SMBIOS 3.3 ▪ UEFI 2.7
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Management

Software	<ul style="list-style-type: none"> ▪ SuperDoctor® 5 ▪ IPMI 2.0
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Power Configurations	<ul style="list-style-type: none"> ▪ ACPI Power Management ▪ Power-on mode for AC power recovery
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Chassis

Form Factor	▪ Compact
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Model	▪ CSE-E302iL
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Dimensions and Weight

Height	▪ N/A
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Width	▪ N/A
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Depth	▪ N/A
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Package	▪
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Weight	▪
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Available Color	▪ N/A
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Expansion Slots

PCI-Express (PCI-E)	▪ Slot 6: 1 PCIe PCI-E 4.0 x16 FHHL
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Drive Bays / Storage

Drive Bays	▪ 1x 2.5" SATA drive bays
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M.2	<ul style="list-style-type: none"> ▪ 2 M.2 NVMe OR 2 M.2 SATA3 ▪ M-Key/B-Key/E-Key, 2280/3042/2230
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System Cooling

Fans	▪ N/A
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Air Shroud	▪ 1 Air Shroud(s)
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Power Supply

180W 12V Lockable DC Power Adapter

AC Input	▪ 150W: 100-240Vac / 2A Max / 47-63Hz
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Operating Environment

Environmental Spec.	<ul style="list-style-type: none"> ▪ 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)
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Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X12SDV-8C-SP6F	1	Super X12SDV-8C-SP6F Motherboard
	CSE-E302iL	1	Compact Chassis
Power Supply	MCP-250-10128-0N	1	150W Lockable Power Adapter with US power cord
Power Supply	MCP-250-10133-0N	1	180W DC power adapter with US power cord 18AWG 6ft
Heatsink / Retention	SNK-C0129PL	1	80.0Wx178.2Lx32.1H mm, Al+Cu+HPx4, SCRWs, Pad