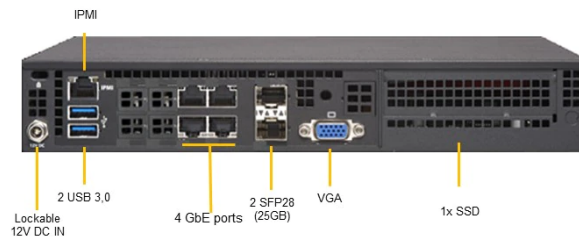


IoT SuperServer SYS-E300-12D-8CN6P

SuperServer SYS-E300-12D-8CN6P

(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

Specifications

Product SKUs

SYS-E300-12D-8CN6P	<ul style="list-style-type: none"> SuperServer SYS-E300-12D-8CN6P (Black)
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Motherboard

Super X12SDV-8C-SP6F

Processor

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

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
Memory Voltage	<ul style="list-style-type: none"> 1.2 V
Error Detection	<ul style="list-style-type: none"> ECC

On-Board Devices

SATA	<ul style="list-style-type: none"> M.2 M,B-Key (6Gbps)
Chipset	<ul style="list-style-type: none"> Intel® SoC
Network Connectivity	<ul style="list-style-type: none"> 4x 1GbE GbE 2x 25GbE SFP28
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

Input / Output

Video	<ul style="list-style-type: none"> 1 VGA port(s)
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System BIOS

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

Management

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

Chassis

Form Factor	<ul style="list-style-type: none"> Mini-1U
Model	<ul style="list-style-type: none"> CSE-E300

Dimensions and Weight

Height	<ul style="list-style-type: none"> 1.7" (43mm)
Width	<ul style="list-style-type: none"> 10" (254mm)
Depth	<ul style="list-style-type: none"> 8.9" (226mm)
Package	<ul style="list-style-type: none"> 10.87" (H) x 15" (W) x 5.59" (D)
Weight	<ul style="list-style-type: none"> Net Weight: 2.76 lbs (1.25 kg) Gross Weight: 3.7 lbs (1.68 kg)
Available Color	<ul style="list-style-type: none"> Black

Front Panel

Buttons	<ul style="list-style-type: none"> Power On/Off UID button
LEDs	<ul style="list-style-type: none"> HDD activity LAN1 activity LAN2 activity Power status System information

Expansion Slots

PCI-Express (PCI-E)	<ul style="list-style-type: none"> Slot 6: 1 PCIe PCI-E 4.0 x16 FHHL
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Drive Bays / Storage

Drive Bays	<ul style="list-style-type: none"> 1x 2.5" SATA/PCIe drive bays
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

System Cooling

Fans	<ul style="list-style-type: none"> 3x 4-PIN PWM 40x40x28mm Fan(s)
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Power Supply

180W 12V Lockable DC Power Adapter	
AC Input	<ul style="list-style-type: none"> 150W: 100-240Vac / 2A Max / 47-63Hz

Operating Environment

Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 0°C ~ 45°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-E300	1	Mini-1U Chassis
Cable 1	CBL-0483L	2	29CM 30AWG SATA S/S CBL
Cable 2	CBL-SAST-0886	1	SATA 15pin x2 to 4pin /P2.5,40CM,22AWG,RoHS
FAN 1	FAN-0100L4	3	40X28MM 4-PIN PWM FAN FOR SC510 & SC511
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