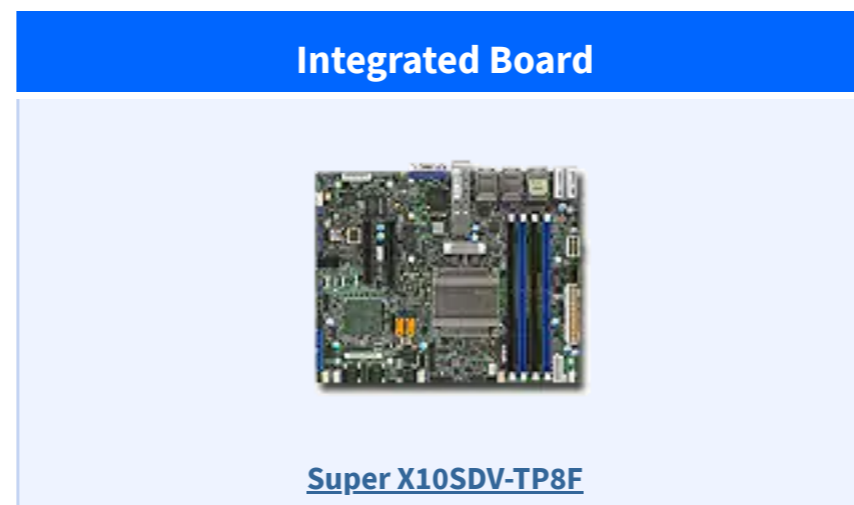


# SuperServer E300-8D



View: | [Rackmount Kit](#) |



## Integrated Board

[Super X10SDV-TP8F](#)

## Key Features

- Embedded Networking Applications
- Network Security Appliance
- Firewall Applications
- Virtualization Server

1. Intel® Xeon® processor D-1518, Single socket FCBGA 1667; 4-Core, 8 Threads, 35W
2. System on Chip
3. 1x 2.5" fixed drive bay with bracket (when AOC area is not occupied)
4. Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets
5. 1 PCI-E 3.0 x8 AOC slot (LP), Mini PCI-E (mSATA support), M.2 PCI-E 3.0 x4 (SATA support), M Key 2242/2280/22110
6. 2x 10G SFP+, 6 GbE LAN, and dedicated LAN for IPMI 2.0
7. VGA via BMC, 2 USB 3.0 ports
8. Passive CPU heat sink and 2x 40mm chassis fans
9. DC power adapter

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[Tested Memory](#)
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[OS Certification Matrix](#)
[Drive Options](#)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

## Specifications ^

Product SKUs		<b>SYS-E300-8D</b> SuperServer E300-8D (Black)
Motherboard		<b>Super X10SDV-TP8F</b>
Processor/Cache		<p><b>CPU</b> Intel® Xeon® processor D-1518, 2.2GHz; CPU TDP support 35W FCBGA 1667</p> <p><b>Cores / Cache</b> 4 Cores, 8 Threads / 6MB</p>
System Memory		<p><b>Memory Capacity</b> 4x DDR4 DIMM sockets Supports up to 128GB DDR4 ECC RDIMM Supports up to 64GB DDR4 ECC/non-ECC UDIMM</p> <p><b>Memory Type</b> 2133/1866/1600MHz ECC DDR4 ECC RDIMM and ECC/Non-ECC UDIMM</p> <p><b>DIMM Sizes</b> 32GB, 16GB, 8GB, 4GB</p> <p><b>Memory Voltage</b> 1.2 V</p> <p><b>Error Detection</b> Corrects single-bit errors Detects double-bit errors (using ECC memory)</p>
On-Board Devices		<p><b>Chipset</b> System on Chip</p> <p><b>SATA</b> SoC controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10 RSTe</p> <p><b>Network Controllers</b> Dual 10G SFP+ from D-1500 SoC Quad 1GbE with Intel I350-AM4 Dual 1GbE with Intel I210</p> <p><b>IPMI</b> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</p> <p><b>Graphics</b> Aspeed AST2400</p> <p><b>USB 3.0</b> Intel® SoC</p> <p><b>TPM</b> TPM 2.0 header</p>
Input / Output		<p><b>SATA</b> 4 SATA3 (6Gbps) ports</p> <p><b>LAN</b> 2 10G SFP+ LAN ports 6 1GbE LAN ports 1 Dedicated IPMI LAN port</p> <p><b>USB</b> 2 USB 3.0 ports (rear)</p> <p><b>Display</b> 1 VGA port</p> <p><b>DOM</b> 2 SuperDOM (Disk on Module) power connectors</p> <p><b>TPM</b> TPM 2.0 header</p>
Chassis		<p><b>Form Factor</b> Mini-1U</p> <p><b>Model</b> <a href="#">CSE-E300</a></p>
Dimensions		<p><b>Width</b> 10" (254mm) / 15" (381mm) - pkg.</p> <p><b>Height</b> 1.7" (43mm) / 10.87" (276mm) - pkg.</p> <p><b>Depth</b> 8.9" (226mm) / 5.59" (142mm) - pkg.</p> <p><b>Weight</b> Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.45 lbs (1.56 kg)</p> <p><b>Available Colors</b> Black</p>
Front Panel		<p><b>Buttons</b> Power On/Off button</p> <p><b>LEDs</b> Power LED (Hard drive activity LED)</p>
Expansion Slots		<p><b>PCI-Express</b> 1 PCI-E 3.0 x8 slots</p> <p><b>M.2</b> Interface: PCI-E 3.0 x4 Form Factor: M Key 2242/2280/22110 Support SATA devices</p> <p><b>Mini PCI-E</b> Interface: PCI-E 2.0 x1 Support mSATA</p>
Drive Bays		<p><b>Internal</b> 1x 2.5" fixed drive bay with bracket (when AOC area is not occupied)</p>
System Cooling		<p><b>Fans</b> Passive CPU heat sink and max. 3x 40mm chassis fans</p>
Power Supply		DC Power Adapter
System BIOS		<p><b>BIOS Type</b> 128Mb SPI Flash with AMI BIOS</p> <p><b>BIOS Features</b> PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.8 UEFI 2.4 RTC (Real Time Clock) Wakeup</p>
Management		<p><b>Software</b> Intel® Node Manager IPMI 2.0 KVM with dedicated LAN NMI SUM <a href="#">SuperDoctor® 5</a> Watch Dog</p> <p><b>Power Configurations</b> ACPI Power Management +12V DC Power Input Control of power-on for recovery from AC power loss CPU thermal trip support for processor protection M.2 NGFF connector, Node Manager Support, SDDC, System level control, UID, WOL</p> <p><b>Fan</b> Fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors</p>
Operating Environment / Compliance		<p><b>RoHS</b> RoHS Compliant</p> <p><b>Environmental Spec.</b> Operating Temperature: 0°C to 40°C (32°F to 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)</p>

## Parts List ^

Parts List - (Items Included)			
	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SDV-TP8F	1	Super X10SDV-TP8F Motherboard
	CSE-E300	1	Embedded Mini-ITX Chassis
<b>Power Adapter</b>	MCP-250-10137-0N	1	84W DC power adapter

Optional Parts List			
	Part Number	Qty	Description
<b>Riser Card</b>	RSC-RR1U-E8	-	RSC-RR1U-E8 (Rev 4.00) Riser Card
<b>Chassis Parts</b>	MCP-290-30002-0B	-	CSE-E300 Rackmount kit (150W/180W adapter supported)
<b>Cable</b>	CBL-CUSB-0975	-	RJ45 SERIAL Cable for Console
<b>Fan</b>	FAN-0065L4	-	4028mm 13K RPM 4-PIN PWM FAN

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