

SuperServer E302-9D



Features

- Intel® Xeon® processor D-21 23IT, 4-Core, 8 Threads, 60W
- System on Chip
- 2 Fixed 2.5" drive bay with bracket (Wide Temp required)
- M.2: 1 PCI-E 3.0 x4 and 1 SATA/PCI-E 3.0 x2, 1 M Key 2280, 1 B-Key 2242/3042 with Nano SIM Slot
- Up to 256GB ECC/non-ECC RDIMM DDR4-2666Mz; in 4 DIMM slots
- 4x 1GbE, 2x 10GBase-T, 2x 10G SFP+ and 1 dedicated LAN for IPMI 2.0
- 1 VGA, 2 USB 3.0
- Fanless cooling
- 150W 12V Lockable DC Power Adapter

Product SKUs

SYS-E302-9D	SuperServer E302-9D (Black)
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Motherboard

Super X11SDV-4C-TP8F-01	Motherboard Supermicro
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Processor/Cache

CPU	Intel® Xeon® processor D-2123IT, CPU TDP support 60W
Cores / Cache	4 Cores, 8 Threads

System Memory

Memory Capacity	- Up to 256GB DDR4 ECC/non-ECC RDIMM - 4 DIMM slots
Memory Type	- 2666/2400/2133MHz ECC DDR4 ECC/Non-ECC RDIMM - Operating speed up to 2400MHz
DIMM Sizes	RDIMM: 4GB, 8GB, 16GB, 32GB, 64GB
Memory Voltage	1.2 V
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	System on Chip
SATA	SATA3 (6Gbps) ports via SoC controller
Network Controllers	- Quad 1GbE with Intel I350-AM4 - Dual 10GBase-T with Intel X557 - Dual 10G SFP+ via SoC
IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 w/virtual media over LAN and KVM-over-LAN support
Graphics	Aspeed AST2500 BMC

Input / Output

SATA	SoC controller for 2 SATA3 (6Gbps) ports
LAN	2x 10G SFP+ ports 2x 10GBase-T LAN ports 4x 1GbE LAN ports 1 Dedicated IPMI LAN port
USB	2 USB 3.0 ports (rear)
Display	1 VGA port
TPM	1 TPM 2.0 header

Chassis

Form Factor	Compact
Model	CSE-E302iL

Dimensions

Width	11.6" (295mm) / 15" (381mm) - pkg.
Height	3" (76mm) / 10.87" (276mm) - pkg.
Depth	8.1" (206mm) / 5.59" (142mm) - pkg.
Weight	- Gross Weight: 7.5 lbs (3.4 kg) - Net Weight: 3.45 lbs (1.56 kg)
Available Colors	Black

Front Panel

Buttons	Power On/Off button
LEDs	Power LED (Hard drive activity LED)

Expansion Slots

PCI-Express	1 PCI-E 3.0 x8 slot (Additional FAN required with Add-On Card)
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Drive Bays

Internal	2 Fixed 2.5" drive bay with bracket (when AOC area is not occupied) (Wide Temp required)
M.2	- 1 M.2 M-Key 2280 - 1 M.2 B-Key 3042 with Nano SIM Slot

System Cooling

System Cooling	Fanless
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Power Supply

Power Supply	150W 12V Lockable DC Power Adapter (Optional: 180W 12V Lockable DC Power Adapter)
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System BIOS

BIOS Type	128Mb SPI Flash with AMI BIOS
BIOS Features	- PCI 3.0 - ACPI 5.0 - USB Keyboard support - Hardware BIOS Virus protection - SMBIOS 2.8 - UEFI 2.4 - RTC (Real Time Clock) Wakeup

Management

Software	- Intel® Node Manager - IPMI 2.0 - KVM with dedicated LAN - NMI - SUM - SuperDoctor® 5 - Watch Dog
Power Configurations	- 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

Operating Environment / Compliance

RoHS	RoHS Compliant
Environmental Spec.	- Operating Temperature: 0°C to 40°C (32°F to 104°F) (with additional external 0.7m/s) - 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)