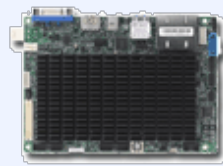




SuperServer E100-9APP



Integrated Board



Super X11SAN

- ▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#)
- ▶ [Tested M.2 List](#) ▶ [Manuals](#) ▶ [OS Certification Matrix](#)

Key Features

- IoT Gateway for Smart Factory/Building/Home
- Kiosk, Interactive information system
- Environmental Monitor

1. Intel® Pentium™ processor N4200, Single Socket FCBGA 1296
2. 1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)
3. 1 non-ECC DDR3L SODIMM up to 8G
4. 1 Full size Mini-PCIe
5. Dual GbE LAN ports via Intel I210-AT
6. 1 HDMI, 1 VGA, Intel® HD Graphics
7. 1 USB 3.1, 2 USB 3.0, 4 USB 2.0, 4 COM, ALC 888S HD Audio
8. Fanless design
9. Lockable 12V DC 40W power adapter

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

Specifications

Product SKUs

- SYS-E100-9APP** • SuperServer E100-9APP (Black)

Motherboard

Super X11SAN

Processor/Cache

- CPU**
- Intel® Pentium™ Processor N4200
 - FCBGA 1296
 - System-on-Chip
 - CPU TDP support 6W

System Memory

- Memory Capacity** • 1x 204-pin DDR3L SO-DIMM socket
- Memory Type** • 1866/1600/1333MHz Unbuffered non-ECC SO-DIMM DDR3L, 204-pin gold-plated DIMMs
- DIMM Sizes** • 8GB, 4GB, 2GB

Chassis

- Form Factor** • 3.5" SBC
- Model** • CSE-E101

Dimensions

- Width** • 7.68" (195mm) / 9.5" (241mm) - pkg.
- Height** • 1.73" (44mm) / 5.5" (140mm) - pkg.
- Depth** • 5.94" (151mm) / 8" (203mm) - pkg.
- Available Colors** • Black

Front Panel

- Buttons** • Power On/Off button
- LEDs** • Power LED and Hard drive activity LED

Expansion Slots

- PCI-Express** • 1 Full size Mini-PCIe (1 USB 2.0, 1 PCIe Gen2)

Drive Bays

Memory Voltage	<ul style="list-style-type: none"> 1.35 V
On-Board Devices	
Network Controllers	<ul style="list-style-type: none"> Dual GbE LAN with Intel i210-AT controller
Video	<ul style="list-style-type: none"> Intel HD Graphics
Input / Output	
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports
USB	<ul style="list-style-type: none"> 1 USB 3.1 (Type C, front) 2 USB 3.0 (front) 4 USB 2.0 (rear)
COM Port	<ul style="list-style-type: none"> 4 COM ports (4 headers); 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control
Video	<ul style="list-style-type: none"> 1 VGA, 1 HDMI, 1 Intel HD Graphics
Audio	<ul style="list-style-type: none"> ALC 888S HD Audio, 1 HD Audio header (Mic-in/Line-out)
TPM	<ul style="list-style-type: none"> 1 TPM 2.0 Chip onboard
Others	<ul style="list-style-type: none"> 1 DIO via DB9

Internal	<ul style="list-style-type: none"> 1 M.2 2280 B-Key for SATA or PCIe SSD (2242 can be supported with bracket)
System Cooling	
Fans	<ul style="list-style-type: none"> Fan-less design
Power Supply	
Lockable 12V DC 40W power adapter	
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 64Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) DMI 2.3 ACPI 5.0 USB Keyboard support SMBIOS 2.7.1 UEFI
Management	
Software	<ul style="list-style-type: none"> SuperDoctor® 5 Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management ATX Power connector Control of power-on for recovery from AC power loss CPU thermal trip support for processor protection
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 0°C ~ 60°C (32°F ~ 140°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) Operational Vibration, IEC 60068-2-64, 5 Grms, random, 5~500 Hz, 1hr/axis Operational Shock, IEC 60068-2-27, 30G, half sine, 11ms

Parts List

[See Parts List](#)