



SuperServer E100-9S



Integrated Board



[Super X11SSN-H-WOHS](#)

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Key Features

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

1. 7th Generation Intel® Core™ i7-7600U Processor; Single Socket FCBGA 1356
2. System-on-Chip
3. 1 M.2 B-Key 2280, 1 Full size Mini-PCI-E
4. Up to 32GB Unbuffered Non-ECC SO-DIMM DDR4 2133MHz; 2 DIMM slots
5. Dual GbE LAN w/ Intel i219LM + i210IT
6. 4 COM (RS-232/422/485), 2 USB 3.0, 4 USB 2.0, 1 DIO via DB9
7. 1 Display Port, 1 HDMI port
8. Fanless design
9. Lockable 12V DC 60W 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-E100-9S	• SuperServer E100-9S (Black)
Motherboard	
Super X11SSN-H-WOHS	
Processor/Cache	
CPU	<ul style="list-style-type: none"> • 7th Generation Intel® Core i7-7600U Processor • Single Socket FCBGA 1356 • System-on-Chip • CPU TDP support 15W
System Memory	
Memory Capacity	• Up to 2 Unbuffered non-ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots
Memory Type	• DDR4 up to 2133MHz
DIMM Sizes	• 16GB, 8GB, 4GB
Memory Voltage	• 1.2V

Chassis	
Form Factor	• 3.5" SBC
Model	• CSE-E101-01
Dimensions	
Width	• 7.68" (195mm) / 9.5" (241mm) - pkg.
Height	• 1.73" (44mm) / 5.5" (140mm) - pkg.
Depth	• 5.94" (151mm) / 8" (203mm) - pkg.
Weight	• Net Weight: 2.65 lbs (1.2 kg)
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, 1 SATA Gen3)
M.2	<ul style="list-style-type: none"> • Interface: SATA and PCIe 3.0 x1 and USB 2.0 • Form Factor: B-Key 2242, 2280

On-Board Devices	
Chipset	<ul style="list-style-type: none"> • System on Chip
Network Controllers	<ul style="list-style-type: none"> • Single LAN with Intel® I210IT • Single LAN with Intel® PHY I219LM
Video	<ul style="list-style-type: none"> • Intel® HD Graphics 620
Input / Output	
USB	<ul style="list-style-type: none"> • 1 USB 3.1 (Type C) • 2 USB 3.0 (rear via header) • 4 USB 2.0 (rear via headers)
Video Output	<ul style="list-style-type: none"> • 1 DP (Display Port) port • 1 HDMI port
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
Audio	<ul style="list-style-type: none"> • 1 HD Audio header (Mic-in/Line-Out) (option)
Others	<ul style="list-style-type: none"> • 1 DIO via DB9

Drive Bays	
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 60W power adapter	
System BIOS	
BIOS Type	<ul style="list-style-type: none"> • AMI UEFI
Management	
Software	<ul style="list-style-type: none"> • SuperDoctor® 5 • Watch Dog • vPro • AMT
Power Configurations	<ul style="list-style-type: none"> • +12V DC Power Input • ACPI Power Management • Control of power-on for recovery from AC power loss • Force Power On by Jumper • 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 ~ 50°C (32°F ~ 122°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	<ul style="list-style-type: none"> • IEC 60068-2-64, 5 Grms, randon, 5-500 Hz, 1hr/axis
Operational Shock	<ul style="list-style-type: none"> • IEC 60068-2-27, 30G, half sine, 11ms

Parts List

[See Parts List](#)