

SuperServer E100-9W-C



Integrated Board



Super X11SWN-C-WOHS

Views: | [Angled View](#) | [Front View](#) | [Rear View](#) |

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Key Features

- Industrial Automation, Retail
- Smart Medical Expert Systems
- Kiosk, Interactive info system
- Digital Signage

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| 1. Intel® Celeron® Processor 4305UE;
Single Socket FCBGA-1528 |
| 2. System-on-Chip |
| 3. M.2: M-Key 2242/2280, E-Key
2230, B-Key 2242/2280 |
| 4. Up to 64GB Unbuffered Non-ECC
SO-DIMM DDR4 2400MHz; 2 DIMM slots |
| 5. Dual GbE LAN w/ Intel i219LM + i210IT |
| 6. 4 COM (RS-232/422/485), 4 USB 3.1,
1 DIO via DB9 |
| 7. 1 HDMI and 1 Display Port |
| 8. Fanless design |
| 9. Lockable 12V DC 60W power adapter |

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

Specifications

Product SKUs

SYS-E100-9W-C	■ SuperServer E100-9W-C (Black)
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Motherboard

Super X11SWN-C-WOHS

Processor/Cache

CPU	■ Intel® Celeron® Processor 4305UE ■ Single Socket FCBGA-1528 ■ System-on-Chip ■ CPU TDP support 15W
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Note	BIOS version 2.0 or above is required
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System Memory

Memory Capacity	■ Up to 64GB Unbuffered non-ECC SO-DIMM, DDR4-2400MHz, in 2 DIMM slots
Memory Type	■ DDR4 up to 2400MHz
DIMM Sizes	■ 32GB, 16GB, 8GB, 4GB
Memory Voltage	■ 1.2V

On-Board Devices

Chipset	■ System on Chip
Network Controllers	■ Single LAN w ith Intel® I210IT ■ Single LAN w ith Intel® PHY I219LM
Audio	■ ALC 888S HD Audio
Video	■ Intel® UHD Graphics 620

Input / Output

USB	■ 4 USB 3.1 Gen2 ports (Type A), 4 USB 2.0 (Type A)
Video Output	■ 1 HDMI and 1 Display Port
COM Port	■ 4 COM ports: 2 RS232, 2 RS232/422/485, RS-485 supports auto flow control
Audio	■ 1 HD Audio header (Mic-in/Line-Out) (option)
Others	■ 1 DIO via DB9

Chassis

Form Factor	■ 3.5" SBC
Model	■ CSE-E101-02

Dimensions

Width	■ 7.68" (195mm) / 11.81" (300mm) - pkg.
Height	■ 1.73" (44mm) / 5.12" (130mm) - pkg.
Depth	■ 5.94" (151mm) / 11" (279mm) - pkg.
Weight	■ Gross Weight: 4.5 lbs (2.04 kg) ■ Net Weight: 2.65 lbs (1.2 kg)
Available Colors	■ Black

Front Panel

Buttons	■ Pow er On/Off button
LEDs	■ Pow er LED and Hard drive activity LED

Expansion Slots

M.2	■ Key: B-Key, M-Key, E-Key ■ M.2 2242/3042/2280 ■ B-Key (1 USB 3.0/2.0, 1 SATA Gen3) w ith nano SIM holder
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System Cooling

Fans	■ Fan-less design
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Power Supply

Lockable 12V DC 60W pow er adapter

System BIOS

BIOS Type	■ AMI UEFI
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Management

Software	■ <u>SuperDoctor® 5</u> ■ Watch Dog
Power Configurations	■ +12V ~ +24V DC Wide pow er range input ■ ACPI Pow er Management ■ Control of pow er-on for recovery from AC pow er loss ■ Force Pow er On by Jumper ■ CPU thermal trip support for processor protection

Operating Environment / Compliance

RoHS	■ RoHS Compliant
Environmental Spec.	■ 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SWN-C-WOHS	1	Super X11SWN-C-WOHS Motherboard
	CSE-E101-02	1	Fanless Enclosure for 3.5" motherboard
Power Adapter	MCP-250-10117-0N	1	60W DC power adapter with US power cord 18AWG 6ft (0-40°C)