

# IoT SuperServer SYS-E200-12A-4C

Embedded Mini-ITX Box Based on 4-Core Intel Atom Processor C5000 SoC



## Key Applications

Virtualization, Virtual-CPE White Box, Entry-level Network Appliance,

## Key Features

- Optional Wall / Rack Mount Bracket, Dual System Tray;
- Intel® Atom® Parker Ridge processor C5315, TDP 38W;
- Up to 128GB ECC RDIMM DDR4-2400MHz, in 2 DIMM slots;
- 1x M.2 B-Key 3052, 1x M.2 M-Key 2280;
- 1x dedicated LAN for IPMI, 4x GbE RJ45 LAN ports, 2x 10GbE SFP+ LAN ports;
- Lockable 12V DC 150W Power Adapter;
- Intel® Quick Assist Technology;
- VGA via BMC, 2 USB 3.0 ports;

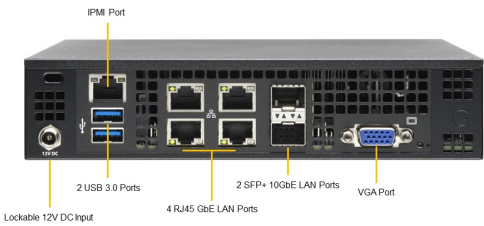


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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | Mini-ITX<br>Enclosure: 195 x 43 x 225.8mm (7.68" x 1.69" x 8.89")<br>Package: 380 x 285 x 139mm (14.96" x 11.22" x 5.47")                  |
| Processor                | Single FCBGA-2106<br>Intel® Atom® processor C5315<br>4C/8T; 9MB Cache                                                                      |
| System Memory            | Slot Count: 2 DIMM slots<br>Max Memory (2DPC): 128GB 2400MT/s ECC DDR4 RDIMM                                                               |
| Drive Bays Configuration | 1 M.2 PCIe 3.0 x4 NVMe slot (M-key 2280)                                                                                                   |
| Expansion Slots          | 1 M.2 NVMe/SATA slot (B-key 3052)                                                                                                          |
| On-Board Devices         | 4 RJ45 1GbE with Intel® C5000 SoC<br>2 SFP+ 10GbE with Intel® C5000 SoC                                                                    |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 SFP+ 10 GbE LAN ports<br>4 RJ45 1 GbE LAN ports<br>USB: 2 USB 3.0 ports<br>Video: 1 VGA port |

(Front View – System)



(Rear View – System)



|                       |                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 2x 4-PIN PWM 40x40x28mm Fan(s)                                                                                                                                                                                                             |
| Power Supply          | 1x 150W power supply                                                                                                                                                                                                                                   |
| System BIOS           | BIOS Type: AMI 32MB UEFI<br>BIOS Features: UEFI 2.7<br>ACPI 6.0 or later<br>SMBIOS 3.0 or later                                                                                                                                                        |
| Management            | SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM);<br>Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS);<br>SuperServer Automation Assistant (SAA) New! |
| Dimensions and Weight | Weight: Gross Weight: 7.5 lbs (3.4 kg)<br>Net Weight: 2.76 lbs (1.25 kg)<br>Available Color: Black                                                                                                                                                     |
| Operating Environment | Operating Temperature: 0°C to 40°C (32°F to 104°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)              |
| Motherboard           | <a href="#">Super A3SPI-4C-LN6PF</a>                                                                                                                                                                                                                   |
| Chassis               | CSE-101F                                                                                                                                                                                                                                               |