

IoT SuperServer SYS-E302-12A-8C

Embedded Mini-ITX Fanless Box based on Intel Atom processor C5000 SoC



Key Applications

IoT Gateway, Embedded Networking Applications, Industrial Automation, Retail, Artificial Intelligence, Machine Learning (ML), Networking Security Appliance, SD-WAN,

Key Features

- Intel® Atom® Parker Ridge processor C5325, TDP 41W;
- Up to 128GB ECC RDIMM DDR4-2933MHz, in 2 DIMM slots;
- 1x M.2 B-Key 3052, 1x M.2 M-Key 2280;
- 1x dedicated LAN for IPMI, 6x Networking Interface (2x 10G SFP+, 4x 1G RJ45);
- 1x 2.5" SATA drives;
- Fanless Cooling, Operating Temperature: 0°C to 45°C (32°F to 113°F);
- Lockable 12V DC 150W Power Adapter;
- Intel® Quick Assist Technology;
- VGA via BMC, 2 USB 3.0 ports;

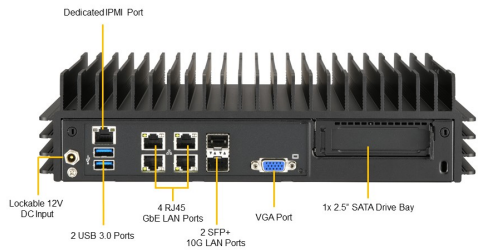


Form Factor	Fanless Embedded Enclosure: 295 x 76 x 206mm (11.6" x 3" x 8.1") Package: 418 x 305 x 194mm (16.45" x 12" x 7.6")
Processor	Single FCBGA-2106 Intel® Atom® processor C5325 8C/8T; 9MB Cache
System Memory	Slot Count: 2 DIMM slots Max Memory (2DPC): 128GB 2933MT/s ECC DDR4 RDIMM
Drive Bays Configuration	Default: Total 1 bay • 1 internal fixed 2.5" SATA drive bay M.2: 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	SATA: SATA (6Gbps) Network Connectivity: 2 SFP+ 10GbE with Intel® C5000 SoC 4 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 SFP+ 10 GbE LAN ports 4 RJ45 1 GbE LAN ports USB: 2 USB 3.0 ports Video: 1 VGA port

(Front View – System)



(Rear View – System)



System Cooling	Fans: N/A
Power Supply	1x 150W power supply
System BIOS	BIOS Type: AMI 32MB UEFI BIOS Features: UEFI 2.7 ACPI 6.0 or later SMBIOS 3.0 or later
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 12 lbs (5.44 kg) Net Weight: 8 lbs (3.63 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C to 45°C (32°F to 113°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)
Motherboard	<u>Super A3SPI-8C-LN6PF-01</u>
Chassis	CSE-E302iL3