

# IoT SuperServer SYS-E302-13AD

Embedded Mini-ITX Fanless Box with 12th Gen Intel Core processor



More details here

## Key Applications

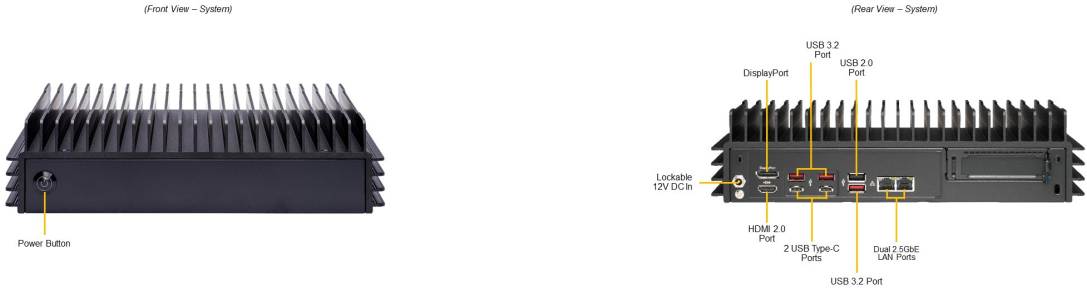
Healthcare, Retail, Artificial Intelligence, Enhanced Graphics&AI, IoT Application,

## Key Features

- Intel® Alder Lake-PS, 12th Gen Core Cel/i3/i5/i7 Processor LGA1700;
- Windows 10 EoT Enterprise 2021 LTSC and long-term Linux kernel;
- Up to DDR5 4800MHz 32GB SO-DIMM;
- 1x SATA 2.5" Storage, 1x M.2 M-Key (2280) support NVMe;
- Fanless Cooling  
Operating Temperature : 0°C-40°C;
- 150W 12V Lockable DC Power Adapter;
- 3x USB 3.2 Gen2 x1, 1 xUSB 2.0, 2x 2.5GbE LAN Ports  
Intel® Iris Xe Graphics, 4 Independent Displays: 1x DisplayPort 1.4, 1x HDMI, 2x USB Type-C support DisplayPort;



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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | <p>Fanless Embedded</p> <p>Enclosure: 295 x 76 x 206mm (11.6" x 3" x 8.1")</p> <p>Package: 418 x 305 x 194mm (16.45" x 12" x 7.6")</p>                                                           |
| Processor                | <p>Single LGA-1700</p> <p>12th Gen Intel® Core i3/Core i5/Core i7 UL/HL or Celeron L processor</p> <p>Up to 14C/28T; Up to 64MB Cache</p>                                                        |
| System Memory            | <p>Slot Count: 1 DIMM slots</p> <p>Max Memory (1DPC): Up to 32GB 4800MT/s non-ECC DDR5 SO-DIMM</p>                                                                                               |
| Drive Bays Configuration | <p>Default: Total 1 bay</p> <ul style="list-style-type: none"> <li>• 1 internal fixed 2.5" SATA drive bay</li> </ul> <p>M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key 2280)</p>                        |
| Expansion Slots          | <p>1 M.2 PCIe 3.0 x1 slot (E-key 2230(default))</p> <p>1 M.2 PCIe 3.0 x2 SATA slot (B-key 3052(default)/3042)</p>                                                                                |
| On-Board Devices         | <p>Chipset: Intel® SoC</p> <p>Network Connectivity: 2 RJ45 2.5GbE with Intel® I225-LM</p>                                                                                                        |
| Input / Output           | <p>LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I225-LM)</p> <p>USB: 1 USB 2.0 port</p> <p>2 Type-C ports</p> <p>2 ports</p> <p>1 port</p> <p>Video: 1 HDMI 2.0b port</p> <p>1 DisplayPort 1.4 port</p> |



|                       |                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: N/A                                                                                                                                                                                                                                 |
| Power Supply          | 1x 150W power supply                                                                                                                                                                                                                      |
| System BIOS           | BIOS Type: AMIUEFI<br>BIOS Features: SMBIOS 3.0 or later<br>UEFI 2.7<br>PCI FW 3.0<br>ACPI 6.1                                                                                                                                            |
| Management            | Watch Dog                                                                                                                                                                                                                                 |
| Dimensions and Weight | Weight: Gross Weight: 12 lbs (5.44 kg)<br>Net Weight: 8 lbs (3.63 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 X13SAV-PS</a>                                                                                                                                                                                                           |
| Chassis               | CSE-E302iL3                                                                                                                                                                                                                               |