

# IoT SuperServer SYS-E302-12E

Embedded Mini-ITX Fanless Box based on Intel Atom processor x6425E



More details here

## Key Applications

Process Automation, Retail, Digital Signage / PoS,

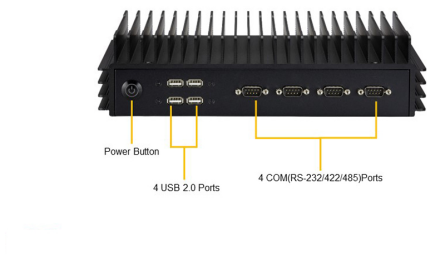
## Key Features

- Wall Mount Bracket;
- Intel® Elkhart Lake up to 4C/12W;
- 1x M.2 B-Key; 1x M.2 E-Key;
- Rich I/O Ports: 2x USB3.1, 6x USB2.0, 4x COM, 4x LAN;
- 1 xFixed 2.5" drive bay with bracket (Wide Temp required);
- Wide Temperature -20°C to 60°C (-4°F to 140°F)  
Fanless Cooling;
- Lockable 12V DC 150W/180W Power Adapter;
- Tri Independent Displays: 1x HDMI 2.0b (4K60Hz), 1x DP 1.4, 1x VGA;

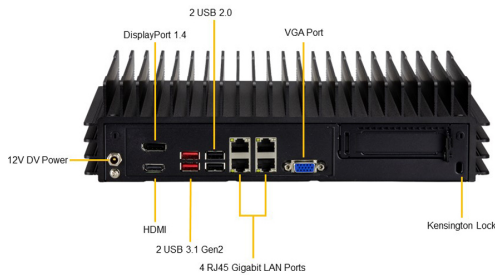


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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | Fanless Embedded<br>Enclosure: 295 x 76 x 206mm (11.6" x 3" x 8.1")<br>Package: 418 x 305 x 194mm (16.45" x 12" x 7.6")                                                   |
| Processor                | Single FCBGA-1493<br>Intel® Atom® Processor x6425E<br>Up to 4C/8T; Up to 1.5MB Cache                                                                                      |
| System Memory            | Slot Count: 2 DIMM slots<br>Max Memory (2DPC): Up to 32GB 3200MT/s non-ECC DDR4 SO-DIMM                                                                                   |
| Drive Bays Configuration | Default: Total 1 bay <ul style="list-style-type: none"> <li>• 1 internal fixed 2.5" SATA drive bay</li> </ul> M.2: 1 M.2 PCIe 3.0 x2 SATA slot (B-key 2280/3042; USB 3.0) |
| On-Board Devices         | Chipset: Intel® x6425E<br>Network Connectivity: 4 RJ45 1GbE                                                                                                               |
| Input / Output           | LAN: 4 RJ45 1 GbE LAN ports<br>USB: 2 USB 2.0 ports(rear)<br>2 ports(rear)<br>4 USB 2.0 ports(front)<br>Video: 1 VGA port<br>1 HDMI port<br>1 DisplayPort port            |

(Front View – System)



(Rear View – System)



|                       |                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: N/A                                                                                                                                                                                                                                   |
| Power Supply          | 1x 150W power supply                                                                                                                                                                                                                        |
| System BIOS           | BIOS Type: AMIUEFI<br>BIOS Features: UEFI 2.7<br>SMBIOS 3.3 or later                                                                                                                                                                        |
| Management            | SuperCloud Composer®; 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)<br>Net Weight: 8 lbs (3.63 kg)<br>Available Color: Black                                                                                                                                             |
| Operating Environment | Operating Temperature: -20°C to 60°C (-4°F to 140°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condesning)<br>Non-operating Relative Humidity: 5% to 95% (con-condensing) |
| Motherboard           | <a href="#">Super A3SEV-4C-LN4</a>                                                                                                                                                                                                          |
| Chassis               | CSE-E302iL2                                                                                                                                                                                                                                 |