

# IoT SuperServer SYS-E100-14AM-E-TB2

Compact fanless embedded system with 4-core CPU



## Key Applications

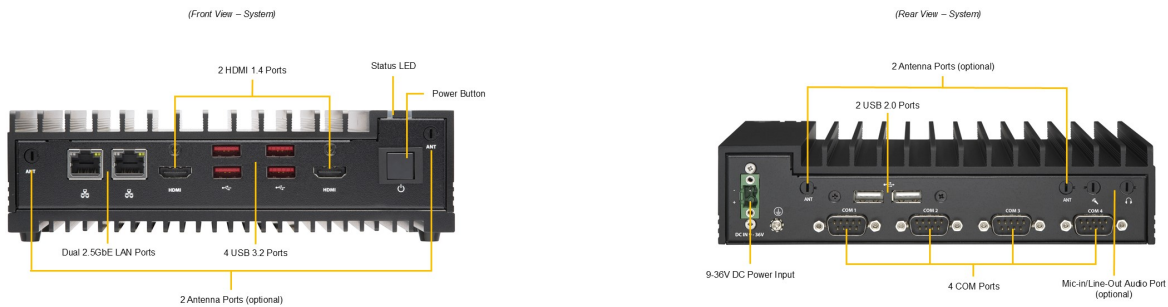
Industrial Automation, Healthcare, Retail, Digital Signage / PoS,

## Key Features

- Intel® Atom® x7433RE (TDP 9W / 4C);
- DDR5-4800MT/s 1 DIMM max 16GB;
- 2x RJ45 2.5GbE (Intel i226-IT);
- Fanless supporting max 60°C with Fin Bottom Cover (Optional accessory);
- DC in 9~36V Terminal Block 2pin;
- 2x HDMI 1.4 ports, 4x USB3.2 ports and 2x USB2.0 ports, 4x COM ports (COM1/2 RS232/422/485 + COM3/4 RS232);
- M.2:1x M-Key 2242 / 2280 ,1x B-Key 2242 / 2280 /3052 (NANO SIM slot),1x E-Key 2230;



|                          |                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | Fanless Embedded<br>Enclosure: 195 x 44 x 150mm (7.68" x 1.73" x 5.94")<br>Package: 300 x 130 x 279mm (11.81" x 5.12" x 11")                                                          |
| Processor                | Intel® Atom® x7433RE<br>Up to 4C/4T; Up to 6MB Cache                                                                                                                                  |
| System Memory            | Slot Count: 1 DIMM slots/1 Channels<br>Max Memory (1DPC): Up to 16GB 4800MT/s non-ECC DDR5 SO-DIMM                                                                                    |
| Drive Bays Configuration | 1 M.2 PCIe 3.0 x1 NVMe slot (M-key 2242/2280)<br>1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280/3052)                                                                                   |
| Expansion Slots          | 1 M.2 slot (E-key 2230(default))<br>1 M.2 PCIe 3.0 x1 SATA slot (M-key 2242/2280)<br>1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280/3052)                                               |
| On-Board Devices         | Chipset: System on Chip<br>Network Connectivity: 2 RJ45 2.5GbE with Intel® I226-IT                                                                                                    |
| Input / Output           | LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I226)<br>USB: 2 USB 2.0 Type-A ports(rear)<br>4 USB 3.2 Gen2 Type-A ports(Front)<br>Video: 2 HDMI 1.4 ports(Front)<br>Serial: 4 COM ports(Rear) |



|                       |                                                                                                                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: N/A                                                                                                                                                                                                                                                                          |
| Power Supply          | 1x 60W power supply                                                                                                                                                                                                                                                                |
| System BIOS           | BIOS Type: AMI 256MB SPI Flash EEPROM                                                                                                                                                                                                                                              |
| Management            | Supermicro SuperDoctor® 5 (SD5)                                                                                                                                                                                                                                                    |
| Dimensions and Weight | Weight: Gross Weight: 4.3 lbs (1.95 kg)<br>Net Weight: 2.16 lbs (0.98 kg)<br>Available Color: Black                                                                                                                                                                                |
| Operating Environment | RoHS Compliant<br>Operating Temperature: -20°C to 50°C (-4°F to 122°F) with 0.7 m/s airflow<br>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)<br>Operating Relative Humidity: 8% to 80% (non-condensing)<br>Non-operating Relative Humidity: 8% to 90% (non-condensing) |
| Motherboard           | <a href="#">Super A4SAN-E-WOHS</a>                                                                                                                                                                                                                                                 |
| Chassis               | CSE-E101-05                                                                                                                                                                                                                                                                        |