IoT SuperServer SYS-E50-14AM-N5

Palm-size fanless embedded system with 4-core CPU

Key Applications

Industrial / Automation, Healthcare, Digital Signage Kiosk, Interactive info system, Retail,

Key Features

- Intel® Atom® Alder Lake-N N97 (TDP 7W / 4C);
- DDR5-4800MT/s 1 DIMM max 16GB;
- 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/3042) 1 M.2 PCIe 3.0 x1 slot (E-key 2230);
- 2 RJ45 2.5GbE and 3 RJ45 1GbE;
- Fanless Embedded chassis with 4.64" (118mm) depth;
- 2 USB 2.0 port(s) (front),2 USB 3.2 Gen2 Type-A port(s) (Rear),2 HDMI 1.4 port(s) (Rear);

Form Factor	Fanless Embedded Enclosure: 148 x 44 x 118mm (5.82" x 1.72" x 4.64") Package: 139.7 x 241.3 x 203.2mm (5.5" x 9.5" x 8")
Processor	Intel® Processor N97 Up to 4C/4T; Up to 6MB Cache
System Memory	Slot Count: 1 DIMM slots/1 Channels Max Memory (1DPC): Up to 16GB 4800MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	Default: Total 1 bay • 1 internal fixed 2.5" SATA drive bay M.2: 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/3042)
Expansion Slots	1 M.2 PCIe 3.0 x1 slot (E-key 2230) 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/3042)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 2.5GbE with Realtek 3 RJ45 1GbE with Intel® I210-IT

Input / Output	LAN: 3 RJ45 1 GbE LAN ports (Intel® I210-IT)
	         2 RJ45 2.5 GbE LAN ports
	USB: 2 USB 2.0 ports(front)
	         2 USB 3.2 Gen2 Type-A ports(Rear)
	Video: 2 HDMI 1.4 ports(Rear)
	Serial: 1 COM port(Front)
	TPM: 1 TPM Onboard/port 80

(Front View – System)

(Rear View – System)

Power Button

3 RJ45 1GbE LAN Ports   2 USB 2.0 Ports   COM Port

12V DC Power Input   2 HDMI 1.4 Ports

2 USB 3.2 Ports   2 RJ45 2.5GbE LAN Ports

System Cooling	Fans: N/A
Power Supply	1x 40W power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	Supermicro SuperDoctor® 5 (SD5)
Dimensions and Weight	Weight: Gross Weight: 3.52 lbs (1.6 kg) Net Weight: 2.2 lbs (1 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 0°C to 45°C (32°F to 113°F) with 0.7 m/s airflow Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	**Super A4SAP-H**
Chassis	**CSE-E50**