

IoT SuperServer SYS-E102-13R-H

Compact embedded Box PC on 3.5" Intel Raptor Lake MB



More details here

Key Applications

IoT Gateway, Healthcare, Retail, Edge AI,

Key Features

- Intel® Intel® Raptor Lake-P i7-1370PE 14C/20T Processor;
- Dual Channel DDR5 4800MHz SO-DIMM, up to 64GB;
- 2x 2.5GbE LAN Ports;
- 1x 2.5" 7mm Storage Drive;
- 1x M.2 M-Key 2242/2280 (PCIe x4), 1x M.2 E Key 2230, 1x M.2 B-key 2242/3042/2280;
- 4x USB 3.2 Ports Gen2, 2x HDMI Port, 2x DisplayPort (2x USB type-C for USB & DP);

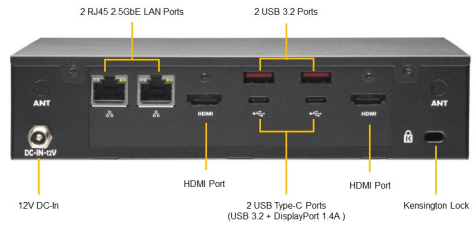


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| Form Factor | Fan-based Embedded Enclosure: 190 x 44 x 120mm (7.48" x 1.72" x 4.72") Package: 300 x 130 x 279mm (11.81" x 5.12" x 11.02") |
| Processor | Single processor(s) 13th Generation Intel® Core™ i7-1370PE Processor 14C/20T; 24MB Cache |
| System Memory | Slot Count: 2 DIMM slots Max Memory (2DPC): 64GB 4800MT/s non-ECC DDR5 SO-DIMM |
| Drive Bays Configuration | Default: Total 1 bay <ul style="list-style-type: none"> • 1 internal fixed 2.5" SATA drive bay M.2: 1 M.2 NVMe slot (M-key 2280) |
| Expansion Slots | 1 M.2 NVMe slot (E-key 2230) 1 M.2 NVMe slot (B-key 2242/2280/3042) |
| On-Board Devices | SATA: SATA (6Gbps) Network Connectivity: 2 RJ45 2.5GbE with Intel® I226-IT |
| Input / Output | LAN: 2 RJ45 2.5 GbE LAN ports USB: 2 USB 3.2 Gen2 Type-A ports(Rear) 2 USB 3.2 Gen2 Type-C ports(Rear) Video: 1 HDMI 2.0b port(Rear) 1 HDMI 1.4b port(Rear) 2 DisplayPort over USB Type-C 1.4 ports(Rear) |

(Front View – System)



(Rear View – System)



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|-----------------------|--|
| System Cooling | Fans: Up to 1x 4-PIN PWM 40x40x15mm Fan(s) |
| Power Supply | 1x 84W power supply |
| System BIOS | BIOS Type: AMIUEFI BIOS Features: ACPI 6.4 SMBIOS 3.5 or later UEFI 2.8B PCI F/W 3.3 |
| 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: 4.5 lbs (2 kg) Net Weight: 2.65 lbs (1.2 kg) Available Color: Black |
| Operating Environment | Operating Temperature: 0°C to 40°C (32°F to 104°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 X13SRN-H-WOHS</u> |
| Chassis | CSE-E102TF2 |