# IoT SuperServer SYS-111AD-HN2

## Key Applications

Video Surveillance, Office Server, DVR/NVR, Digital Signage, POS, Compact 1U Embedded System,
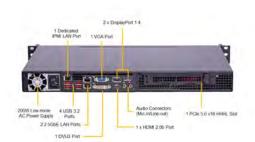
## Key Features

- Single Socket LGA-1700 support 12th & 13th Gen Core i9/i7/i5/i3 Processor,up to 80W;
- 4x DIMMs; Up to 128GB Unbuffered ECC/non-ECC UDIMM;
- 1x PCIe Gen5 x16 HHHL slot;
- 2 Hot-swap 2.5" SATA3 drive bays;
- 4x 40x28mm 4-pin PWM fans;
- 200W Low Noise AC-DC power supply with PFC;
- Rear-access I/O: 2x 2.5GBased-T, 1x Dedicated IPMI, 4x USB3.2, 1x VGA, 1x DVI-D, 2x DP,1x HDMI 2.0b;

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|---|---|
| Form Factor | 1U Rackmount<br>Enclosure: 437 x 43 x 287mm (17.2" x 1.7" x 11.3")<br>Package: 645.16 x 154.94 x 502.92mm (25.4" x 6.1" x 19.8") |
| Processor | 12th/13th Gen Core i9/i7/i5/i3 Processor<br>Single Socket LGA-1700 supported |
| System Memory | 4 DIMM slots |
| Drive Bays | 2x 2.5" hot-swap SATA/PCIe drive bays<br>1 M.2 NVMe<br>M-Key, 2280/22110 |
| Expansion Slots | 1 PCIe 5.0 x16 HHHL slot(s) |
| On-Board Devices | SATA: SATA3.0<br>Chipset: System on Chip<br>Network Connectivity: 2x 2.5GbE BaseT with Intel® I225-LM<br>IPMI: Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Input / Output | SATA: 2 SATA (6Gbps) port(s)<br>LAN: 2x 2.5GbE<br>USB: 4 USB 3.2  Gen2 port(s) (4 USB)<br>Video: 1 VGA port(s)<br>Others: 1x DVI-D<br>2x DP 1.4<br>1x HDMI 2.0b<br>1x Line Out<br>1x Mic In |

(Front View – System)

2x 2.5" Hot-swap SATA3 Drive Bays    2 System Fans    Power Button and Status LEDs

(Rear View – System)

2 x DisplayPort 1.4
1 Dedicated IPMI LAN Port
1 VGA Port
200W Low-noise AC Power Supply
4 USB 3.2 Ports
2 2.5GbE LAN Ports
1 DVI-D Port
1 x HDMI 2.0b Port
Audio Connectors (Mic-In/Line-out)
1 PCIe 5.0 x16 HHHL Slot

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| **System Cooling** | 4 heavy duty fan(s) |
| **Power Supply** | 1U 200W Multi-output power supply Gold level w/20pin<br>Dimension (W x H x L): 76.5 x 40.3 x 192.8 mm |
| **Management** | IPMI 2.0 |
| **PC Health Monitoring** | Temperature: SuperDoctor® 5<br>      System resource alert via SuperDoctor®5<br>      Platform Environment Control Interface (PECI) 3.0 support |
| **Dimensions and Weight** | Height: 1.7" (43 mm)<br>Width: 17.2" (437 mm)<br>Depth: 11.3" (287 mm)<br>Gross Weight: 14.1 lbs (6.4 kg)<br>Net Weight: 10 lbs (4.54 kg)<br>Packaging: 6.1" (H) x 25.4" (W) x 19.8" (D)<br>Available Color: Black |
| **Operating Environment** | Operating Temperature: 0°C ~ 40°C (32°F ~ 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** | Super X13SAZ-F |
| **Chassis** | CSE-510FT-203B |