

# IoT SuperServer SYS-111AD-HN2

Intel Single Socket LGA-1700 support 12th & 13th Gen, 200W Low Noise AC-DC PWS, 1U edge platform



## Key Applications

Video Surveillance, Office Server, DVR/NVR, Embedded System, Digital Signage / PoS,

## Key Features

- Single Socket LGA-1700 support 14th/13th/12th Gen Core i9/i7/i5/i3/Pentium/Celeron 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                | Single L0 (LGA-1700)<br>Intel® Core™ 3/5/7 (Series 2) and 14th/13th/12th Gen Core i3/i5/i7/i9 Processors                                                                                                                        |
| System Memory            | Slot Count: 4 DIMM slots<br>Max Memory (2DPC): Up to 128GB 4400MT/s ECC/non-ECC DDR5 UDIMM                                                                                                                                      |
| Drive Bays Configuration | Default: Total 2 bays <ul style="list-style-type: none"> <li>• 2 front hot-swap 2.5" SATA drive bays</li> </ul> M.2: 1 M.2 NVMe slot (M-key 2280/22110)                                                                         |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 HHHL slot</li> </ul>                                                                                                                                            |
| On-Board Devices         | SATA: SATA (6Gbps)<br>Network Connectivity: 2 RJ45 2.5GbE with Intel® I225-LM                                                                                                                                                   |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 2.5 GbE LAN ports<br>USB: 4 USB 3.2 Gen2 Type-A ports(Rear)<br>Video: 1 VGA port<br>1 HDMI 2.0b port<br>1 DVI-D port<br>2 DisplayPort 1.4 ports<br>Audio: Line Out<br>Mic in |



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| System Cooling        | Fans: Up to 4x 4-PIN PWM 40x28mm Fan(s)<br>Air Shroud: 1 Air Shroud                                                                                                                                                                              |
| Power Supply          | 1x 200W Gold Level (91%) power supply                                                                                                                                                                                                            |
| 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! |
| PC Health Monitoring  | Temperature: Platform Environment Control Interface (PECI) 3.0 support<br>SuperDoctor® 5<br>System resource alert via SuperDoctor®5                                                                                                              |
| Dimensions and Weight | Weight: Gross Weight: 14.1 lbs (6.4 kg)<br>Net Weight: 10 lbs (4.54 kg)<br>Available Color: Black                                                                                                                                                |
| Operating Environment | Operating Temperature: 0°C to 40°C (32°F to 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           | <a href="#">Super X13SAZ-F</a>                                                                                                                                                                                                                   |
| Chassis               | CSE-510FT-203B                                                                                                                                                                                                                                   |