

IoT SuperServer SYS-111AD-HN2 Coming Soon



Key Applications

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

Key Features

- Single Socket LGA-1700 support 12th Gen Core i9/i7/i5/i3 Processor,up to 80W
- 4x DIMMs; Up to 128GB Unbuffered ECC/non-ECC UDIMM
- 1x PCI-E Gen5 x16 HHHHL 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

Specifications

Product SKUs SuperServer SYS-111AD-HN2 (Black)
Motherboard <u>Super X13SAZ-F</u>
Processor CPU Single LGA-1700 12th Gen Core i9/i7/i5/i3 Processor Support CPU TDP 80W System Memory Memory Memory Capacity: 4 DIMM slots Up to 128GB: UDIMM Memory Type: 4000MHz DDR5 UDIMM Memory Voltage 1.2 V Error Detection ECC/Non-ECC On-Board Devices SATA SATA3.0 Chipset System on Chip Network Connectivity 1x 2.5GbE BaseT with Intel® PHY I219LM LAN controller 1x 2.5GbE BaseT with Intel® Ethernet Controller I210-AT IPMI Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output SATA 2 SATA (6Gbps) port(s) LAN 2x 2.5GbE USB 4 USB 3.2 Gen2 port(s) (4 USB) Video 1 VGA port(s)
Management Software IPMI 2.0 Power Configurations ACPI Power Management Power-on mode for AC power recovery
PC Health Monitoring Temperature Platform Environment Control Interface (PECI) 3.0 support SuperDoctor® 5 System resource alert via SuperDoctor®5

Chassis Form Factor 1U Rackmount Model CSE-510FT-203B
Dimensions and Weight Height 1.7" (43mm) Width 17.2" (437mm) Depth 11.3" (287mm) Package 6.1" (H) x 25.4" (W) x 19.8" (D) Weight Net Weight: 10 lbs (4.54 kg) Gross Weight: 14.1 lbs (6.4 kg) Available Color Black
Front Panel Buttons Power On/Off UID button LEDs HDD activity LAN1 activity LAN2 activity Power status System information
Expansion Slots PCI-Express (PCI-E) 1 x PCIe 5.0 x 16 HHHL Drive Bays / Storage Hot-swap 2x 2.5" hot-swap SATA/PCIe drive bays M.2 1 M.2 NVMe M-Key, 2280/22110 System Cooling Fans 4x 4-PIN PWM 40x28mm Fan(s)
Power Supply 200W AC 100-240V Power Supplies Dimension (W x H x L) 76.5 x 40.3 x 192.8 mm AC Input 200W: 100-240Vac / 2.6A Max / 50-60Hz +12V Max: 16A / Min: 0A (100Vac-240Vac) Certification Gold Level
[Test Report]
Operating Environment Environmental Spec. Operating Temperature: 0°C ~ 40°C (32°F ~ 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) Note Acceptable AC Input Voltage: 100-240Vac / 5.5A-10A / 50-60Hz Operating Temperature: Continuous 0°C ~ 40°C (32°F ~ 104°F), Short term -5°C ~ 55°C (23°F ~ 131°F)

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis		
Part Number	MBD-X13SAZ-F	CSE-510FT-203B
Qty	1	1
Description	Super X13SAZ-F Motherboard	1U Chassis
Fan		
Part Number	FAN-0065L4	
Qty	1	
Description	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M	
Parts		
Part Number	MCP-150-00015-0B	MCP-260-00179-0B
Qty	1	1
Description	Rubber pad, 3.0mm H, 10x10mm	1U 510 I/O Shield for X13SAZ with EMI Gasket
Rear Window		
Part Number	MCP-240-00091-0N	

Qty	2
Description	1U universal riser card bracket for standard chassis,HF,RoHS/REACH,PBF
Air Shroud	
Part Number	MCP-310-00097-0B
Qty	1
Description	Air shroud for 4-DIMM size,HF,RoHS
Manual	
Part Number	MNL-2544-QRG
Qty	1
Description	111AD-HN2 Quick Reference Guide
Riser Card	
Part Number	RSC-S-6G5
Qty	1
Description	[NR]1U LHS Standard Riser card with one PCIe 5.0 X16 slot.,H
Heatsink / Retention	
Part Number	SNK-P0086
Qty	1
Description	1U Passive Skived-fin CPU Heat Sink for SYS-111AD-HN2
*Backplane	
Part Number	BPN-SAS-510T
Qty	1
Description	2-port 1U (SC510T) direct-attached backplane, support up to 2x 2.5-inch SAS/SATA HDD/SSD
*Cable	
Part Number	CBL-0061L
Qty	2
Description	31.5CM SATA FLAT S-S PBF
*Power Supply	
Part Number	PWS-203-1H
Qty	1
Description	1U 200W Multi-output 80Plus Gold PWS

- Notes:
- 1. Parts with * are inside the chassis
 - 2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.