

IoT SuperServer SYS-111AD-HN2



More details here

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/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 2.5GBase-T, 1x Dedicated IPMI, 4x USB3.2, 1x VGA, 1x DVI-D, 2x DP, 1x HDMI 2.0b;

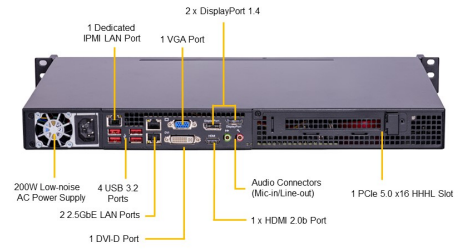


Form Factor	1U Rackmount Enclosure: 437 x 43 x 287mm (17.2" x 1.7" x 11.3") Package: 645.16 x 154.94 x 502.92mm (25.4" x 6.1" x 19.8")
Processor	Single LGA-1700 12th/13th Gen Core i9/i7/i5/i3 Processor
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 128GB 4000MT/s ECC DDR5 UDIMM
Drive Bays	2x 2.5" hot-swap SATA/PCIe drive bays 1x M.2 NVMe (M.2 is not recommended to use non-wide temperature specifications) M-Key, 2280/22110
Expansion Slots	1 PCIe 5.0 x16 HHHL slot(s)
On-Board Devices	SATA: SATA3.0 Chipset: Intel® R680E Network Connectivity: 2x 2.5GbE BaseT with Intel® I225-LM 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) Others: 1x DVI-D 2x DP 1.4 1x HDMI 2.0b 1x Line Out 1x Mic In

(Front View – System)



(Rear View – System)



System Cooling	Fans: 4x 4-PIN PWM 40x28mm Fan(s)
Power Supply	200W Gold Level power supply
Management	Redfish API; SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	Temperature: SuperDoctor® 5 System resource alert via SuperDoctor®5 Platform Environment Control Interface (PECI) 3.0 support
Dimensions and Weight	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 11.3" (287 mm) Gross Weight: 14.1 lbs (6.4 kg) Net Weight: 10 lbs (4.54 kg) Packaging: 6.1" (H) x 25.4" (W) x 19.8" (D) Available Color: Black
Operating Environment	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)
Motherboard	Super X13SAZ-F
Chassis	CSE-510FT-203B

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-DJMM size, HF, RoHS

Manual

Part Number	MNL-2544-QRG
Qty	1
Description	111AD-HN2 Quick Reference Guide

Riser Card

Part Number	RSC-5-6GS
Qty	1
Description	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	7pin SATA (STR to STR), 31.5cm, Flat, 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.

Optional Parts List

SC504 / 505 / 510 Fix Rail kit Set

Part Number	MCP-290-50404-0N Store
Qty	1
Description	SC504 / 505 / 510 Fix Rail kit Set

TPM security module

Part Number	AOM-TPM-9671H-O
Qty	1
Description	SPI capable TPM 1.2 with Infineon 9671 controller with horizontal form factor

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