



Embedded High Performance PCIe 5.0 x16 slot 4 Independent Displays IPMI

Key Features

- 13th/12th Generation Intel® Core™ i9/i7/i5/i3/Pentium/Celeron Processor, Single Socket LGA-1700 supported, CPU TDP supports Up to 125W TDP
Intel® R680E
Up to 128GB Unbuffered ECC/non-ECC UDIMM, DDR5-4400MHz, in 4 DIMM slots
1 PCIe 5.0 x16 slot,
2 PCIe 4.0 x4 slots,
1 PCIe 4.0 x4 OCulink port
M.2 Interface: 1 PCIe 4.0 x4
M.2 Form Factor: 2280/22110
M.2 Key: M-Key
Dual 2.5 Gigabit LAN with Intel® Ethernet i225LM LAN controller [AMT/vPro]
Intel® R680E Controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
4 Independent Displays (1 VGA port, 2 DP++ ports, 1 HDMI 2.0b port, 1 DVI - D port)
Supports 12V DC power input
Onboard TPM2.0

Optimized Servers

SYS-111AD-HN2 (/de/products/system/iot/1u/sys-111ad-hn2)

Specifications

Table with 2 columns: Specification Name and Details. Includes sections for Product SKUs, Physical Stats, Processor, System Memory, On-Board Devices, Input/Output, and TPM.

Table with 2 columns: Specification Name and Details. Includes sections for Expansion Slots, System BIOS, Management Software, Security Hardware, PC Health Monitoring, and Operating Environment.

Parts List

Standard Parts (Bulk Package)

I/O Cables	
Part Number	CBL-0044L • eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044L.html).
Qty	2
Description	57.5CM SATA FLAT S-S PBF
I/O Shield	
Part Number	MCP-260-00177-0N
Qty	1
Description	Standard I/O Shield for X13SAZ with EMI Gasket

Standard Parts (Retail Package)

I/O Cables	
Part Number	CBL-0044L • eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044L.html).
Qty	4
Description	57.5CM SATA FLAT S-S PBF
I/O Shield	
Part Number	MCP-260-00177-0N
Qty	1
Description	Standard I/O Shield for X13SAZ with EMI Gasket
QRG	
Part Number	MNL-2477-QRG
Qty	1
Description	Motherboard Quick Reference Guide

Optional Parts

1U I/O Shield	
Part Number	MCP-260-00178-0N
Qty	-
Description	1U I/O Shield For SC515/813/815
1U LHS Riser Card for CSE-510	
Part Number	RSC-S-6G5
Qty	-
Description	1U LHS Standard Riser card with one PCIe 5.0 X16 slot,,H
4U CPU Heat Sink for Socket H(optional, not included)	
Part Number	SNK-P0086AP4 • eStore (https://store.supermicro.com/4u-active-cpu-cooler-x13-snk-p0086ap4.html).
Qty	-
Description	CPU Active Heatsink for 4U chassis
COM Port Cable	
Part Number	CBL-CDAT-0604 • eStore (https://store.supermicro.com/2-9-pin-to-20pin-cable-cbl-cdat-0604.html).
Qty	-
Description	40CM Dual Serial Port Cable with bracket
Passive heatsink	
Part Number	SNK-P0086
Qty	-
Description	CPU Passive Heatsink for 1U chassis
USB Cable	
Part Number	CBL-CUSB-0835 • eStore (https://store.supermicro.com/supermicro-usb-3-1-b-key-to-usb-3-0a-female-x2-55cm-cable-cbl-cusb-0835.html).
Qty	-
Description	Dual 55cm USB 3.2 Type A cable