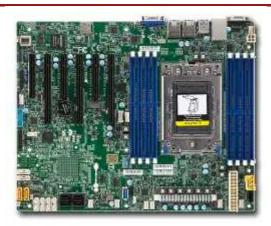# H11SSL-i

Key Features

1. Single AMD EPYC™ 7001/7002* Series Processor (*AMD EPYC 7002 series drop-in
   support requires board revision 2.x)

2. 1TB Registered ECC DDR4 2666MHz SDRAM in 8 DIMMs
   2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs (Board revision 2.x required)

3. Expansion slots:
   3 PCI-E 3.0 x16
   3 PCI-E 3.0 x8
   M.2 Interface: 1 PCI-E 3.0 x4
   M.2 Form Factor: 2280, 22110
   M.2 Key: M-key

4. 16 SATA3, 1 M.2

5. Dual Gigabit Ethernet LAN Ports

6. ASPEED AST2500 BMC graphics

7. Up to 5 USB 3.0 ports
   (2 rear + 2 via header + 1 Type A)
   Up to 4 USB 2.0 ports
   (2 rear + 2 via header)

8. 7 PWM 4-pin Fans with tachometer status monitoring

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Links & Resources

- Tested Memory List
- Tested HDD List
- Tested M.2 List (/en/support/resources/m2ssd?ProductID=86202&ProductName=H11SSL-i)
- Tested AOC List
- Motherboard Manual
- Update Your BIOS
- IPMI Firmware
- Download the Latest Drivers and Utilities
- Download Driver CD

OS Compatibility (/Aplus/support/resources/OS/OS_Comp_H11_EPYC7001_7002-UP-1.cfm)

Product SKUs

MBD-H11SSL-i
H11SSL-i
MBD-H11SSL-i-B
H11SSL-i (Bulk Pack)
MBD-H11SSL-i-O
H11SSL-i (Retail Pack)

Physical Stats

Form Factor
ATX
Dimensions
12" x 9.6" (30.5cm x 24.4cm)

Processor/Chipset

CPU
Single AMD EPYC™ 7001/7002* series Processor (*Board revision 2.x required)
Socket SP3
Cores
Up to 32 Cores
Up to 64 Cores (Board revision 2.x required)
Chipset
System on Chip

System Memory

Memory Capacity
8 DIMM slots
Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM in 8 DIMMs
Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required)
8-channel memory bus
Memory Type
DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs
DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs (Board revision 2.x required)
DIMM Sizes
8GB, 16GB, 32GB, 64GB, 128GB, 256GB* (*Board revision 2.x required)
Memory Voltage
1.2V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC memory)

On-Board Devices

SATA
SATA3 (6 Gbps)
IPMI
Support for Intelligent Platform Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
ASPEED AST2500 BMC
Network Controllers
2 1GbE LAN via Intel® I210
1 Realtek RTL8211E PHY (dedicated IPMI)
VGA
ASPEED AST2500 BMC

Input / Output

SATA
16 SATA3 (6 Gbps) ports
LAN
2 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port

Chassis (Optimized for H11SSL-i)

1U
SC813MFTQC-350CB2 (/products/chassis/1U/813/SC813MFTQC-350CB2.cfm)
SC813MFTQC-R407CB (/products/chassis/1U/813/SC813MFTQC-R407C.cfm)
2U
SC213AC-R1K23LPB (/products/chassis/2U/213/SC213AC-R1K23LPB.cfm)
SC216BE1C4-R1K23LPB (/products/chassis/2U/216/SC216BE1C4-R1K23LPB.cfm)
SC825TQC-R740LPB (/products/chassis/2U/825/SC825TQC-R740LP.cfm)
SC826BE1C4-R1K23LPB (/products/chassis/2U/826/SC826BE1C4-R1K23LPB.cfm)
3U
SC836BE1C-R1K23B (/products/chassis/3U/836/SC836BE1C-R1K23B.cfm)
4U
SC745BAC-R1K28B2 (/products/chassis/4U/745/SC745BAC-R1K28B2.cfm)
SC846BE1C-R1K23B (/products/chassis/4U/846/SC846BE1C-R1K23B.cfm)

Server(s) (with H11SSL-i)

Model(s)
AS -1013S-MTR (/Aplus/system/1U/1013/AS-1013S-MTR.cfm)

System BIOS

BIOS Type
AMI 128Mb SPI Flash EEPROM
BIOS Features
Plug and Play (PnP)
DMI 2.3
PCI 2.2
ACPI 5.1
USB Keyboard Support
SMBIOS 3.1.1

Management

Software
Super● Doctor 5 (/products/nfo/SMS_SD5.cfm)
Watch Dog
NMI
SUM (/products/nfo/SMS_SUM.cfm)
IPMI 2.0 (/products/nfo/SMS_IPMI.cfm), KVM with dedicated LAN
Power Configurations
ACPI Power Management
Power-on mode control for AC power loss recovery

PC Health Monitoring

USB
5 USB 3.0 ports
(2 rear + 2 via header + 1 Type A)
4 USB 2.0 ports (2 rear + 2 via header)
VGA
1 VGA port
Others
1 COM port (rear)
2 SATA DOM power connector
1 TPM 2.0 header

Expansion Slots

PCI-Express
3 PCI-E 3.0 x8
3 PCI-E 3.0 x16
M.2
Interface: PCI-E 3.0 x4
Form factor: 2280, 22110
Key: M-key

CPU
Monitors CPU Core Voltages, +1.8V, +3.3V, +5V, +5V standby, +3.3V standby
CPU switching voltage regulator
Supports system management utility
VBAT
FAN
Up to 7-fan status tachometer monitoring
Up to 7 4-pin fan headers
Dual Cooling Zone
Status monitor for speed control
Pulse Width Modulated (PWM) fan connectors
Temperature
Monitoring for CPU and chassis environment
CPU Thermal Trip Support
Thermal control for 7x Fan connectors
I²C Temperature Sensing Logic
LED
CPU / System Overheat LED
Other Features
Chassis Intrusion Detection
Chassis Intrusion Header
UID

Operating Environment / Compliance

Environmental Specifications
Operating Temperature:
10°C to 35°C (50°F to 95°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)

Parts List

Global SKU (/en/products/SMC_global_skus)