

# 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

## Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD List](#)
- ▶ [Tested M.2 List](#)
- ▶ [Tested AOC List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [OS Compatibility](#)



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

# Specifications

## Product SKUs

<b>MBD-H11SSL-i</b>	■ H11SSL-i
<b>MBD-H11SSL-i-B</b>	■ H11SSL-i (Bulk Pack)
<b>MBD-H11SSL-i-O</b>	■ H11SSL-i (Retail Pack)

## Physical Stats

<b>Form Factor</b>	■ ATX
<b>Dimensions</b>	■ 12" x 9.6" (30.5cm x 24.4cm)

## Processor/Chipset

<b>CPU</b>	<ul style="list-style-type: none"> <li>■ Single AMD EPYC™ 7001/7002* series Processor (*Board revision 2.x required)</li> <li>■ Socket SP3</li> </ul>
<b>Cores</b>	<ul style="list-style-type: none"> <li>■ Up to 32 Cores</li> <li>■ Up to 64 Cores (Board revision 2.x required)</li> </ul>
<b>Chipset</b>	■ System on Chip

## System Memory

<b>Memory Capacity</b>	<ul style="list-style-type: none"> <li>■ 8 DIMM slots</li> <li>■ Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM in 8 DIMMs</li> <li>■ Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required)</li> <li>■ 8-channel memory bus</li> </ul>
<b>Memory Type</b>	<ul style="list-style-type: none"> <li>■ DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs</li> <li>■ DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs (Board revision 2.x required)</li> </ul>
<b>DIMM Sizes</b>	■ 8GB, 16GB, 32GB, 64GB, 128GB, 256GB* (*Board revision 2.x required)
<b>Memory Voltage</b>	■ 1.2V
<b>Error Detection</b>	<ul style="list-style-type: none"> <li>■ Corrects single-bit errors</li> <li>■ Detects double-bit errors (using ECC memory)</li> </ul>

## On-Board Devices

<b>SATA</b>	■ SATA3 (6 Gbps)
<b>IPMI</b>	<ul style="list-style-type: none"> <li>■ Support for Intelligent Platform Management Interface v.2.0</li> <li>■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>■ ASPEED AST2500 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>■ 2 1GbE LAN via Intel® I210</li> <li>■ 1 Realtek RTL8211E PHY (dedicated IPMI)</li> </ul>
<b>VGA</b>	■ ASPEED AST2500 BMC

## Input / Output

<b>SATA</b>	■ 16 SATA3 (6 Gbps) ports
<b>LAN</b>	<ul style="list-style-type: none"> <li>■ 2 RJ45 Gigabit Ethernet LAN ports</li> <li>■ 1 RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>■ 5 USB 3.0 ports (2 rear + 2 via header + 1 Type A)</li> <li>■ 4 USB 2.0 ports (2 rear + 2 via header)</li> </ul>
<b>VGA</b>	■ 1 VGA port

## Chassis ( Optimized for H11SSL-i )

<b>1U</b>	<ul style="list-style-type: none"> <li>■ <a href="#">SC813MFTQC-350CB2</a></li> <li>■ <a href="#">SC813MFTQC-R407CB</a></li> </ul>
<b>2U</b>	<ul style="list-style-type: none"> <li>■ <a href="#">SC213AC-R1K23LPB</a></li> <li>■ <a href="#">SC216BE1C4-R1K23LPB</a></li> <li>■ <a href="#">SC825TQC-R740LPB</a></li> <li>■ <a href="#">SC826BE1C4-R1K23LPB</a></li> </ul>
<b>3U</b>	■ <a href="#">SC836BE1C-R1K23B</a>
<b>4U</b>	<ul style="list-style-type: none"> <li>■ <a href="#">SC745BAC-R1K28B2</a></li> <li>■ <a href="#">SC846BE1C-R1K23B</a></li> </ul>

## Server(s) ( with H11SSL-i )

<b>Model(s)</b>	■ <a href="#">AS -1013S-MTR</a>
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## System BIOS

<b>BIOS Type</b>	■ AMI 128Mb SPI Flash EEPROM
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>■ Plug and Play (PnP)</li> <li>■ DMI 2.3</li> <li>■ PCI 2.2</li> <li>■ ACPI 5.1</li> <li>■ USB Keyboard Support</li> <li>■ SMBIOS 3.1.1</li> </ul>

## Management

<b>Software</b>	<ul style="list-style-type: none"> <li>■ <a href="#">Super Doctor 5</a></li> <li>■ Watch Dog</li> <li>■ NMI</li> <li>■ <a href="#">SUM</a></li> <li>■ <a href="#">IPMI 2.0</a>, KVM with dedicated LAN</li> </ul>
<b>Power Configurations</b>	<ul style="list-style-type: none"> <li>■ ACPI Power Management</li> <li>■ Power-on mode control for AC power loss recovery</li> </ul>

## PC Health Monitoring

<b>CPU</b>	<ul style="list-style-type: none"> <li>■ Monitors CPU Core Voltages, +1.8V, +3.3V, +5V, +5V standby, +3.3V standby</li> <li>■ CPU switching voltage regulator</li> <li>■ Supports system management utility</li> <li>■ VBAT</li> </ul>
<b>FAN</b>	<ul style="list-style-type: none"> <li>■ Up to 7-fan status tachometer monitoring</li> <li>■ Up to 7 4-pin fan headers</li> <li>■ Dual Cooling Zone</li> <li>■ Status monitor for speed control</li> <li>■ Pulse Width Modulated (PWM) fan connectors</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>■ Monitoring for CPU and chassis environment</li> <li>■ CPU Thermal Trip Support</li> <li>■ Thermal control for 7x Fan connectors</li> <li>■ I<sup>2</sup>C Temperature Sensing Logic</li> </ul>
<b>LED</b>	■ CPU / System Overheat LED
<b>Other Features</b>	<ul style="list-style-type: none"> <li>■ Chassis Intrusion Detection</li> <li>■ Chassis Intrusion Header</li> <li>■ UID</li> </ul>

## Operating Environment / Compliance

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**Others**

- 1 COM port (rear)
  - 2 SATA DOM power connector
  - 1 TPM 2.0 header
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**Expansion Slots****PCI-Express**

- 3 PCI-E 3.0 x8
  - 3 PCI-E 3.0 x16
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**M.2**

- Interface: PCI-E 3.0 x4
  - Form factor: 2280, 22110
  - Key: M-key
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**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)
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## Parts List

### Bulk Pack List

	Part Number	Qty	Description
<b>H11SSL-i</b>	MBD-H11SSL-i-B	1	H11SSL-i Motherboard
<b>I/O Cable</b>	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
<b>I/O Shield</b>	MCP-260-00042-0N	1	STD I/O SHIELD FOR X9 SOCKET R SERVER MB

### Retail Pack List

	Part Number	Qty	Description
<b>H11SSL-i</b>	MBD-H11SSL-i-O	1	H11SSL-i Motherboard
<b>I/O Cable</b>	CBL-0044L	6	57.5CM SATA FLAT S-S PBF
<b>I/O Shield</b>	MCP-260-00042-0N	1	STD I/O SHIELD FOR X9 SOCKET R SERVER MB

### Optional Parts List

	Part Number	Qty	Description
<b>I/O Cable</b>	CBL-SAST-0699	-	MINI SAS HD-4 SATA,12G,INT,75/75/90/90CM,75CM SB,28/30AWG,Ro
<b>TPM security module</b>	<u>AOM-TPM-9655V</u>	-	TPM 1.2 module with Infineon 9655, RoHS/REACH,PBF;
	<u>AOM-TPM-9665V</u>	-	TPM 2.0 module with Infineon 9665, RoHS/REACH,PBF;