

H11SSL-i



Key Features

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| 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.

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](#)



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

Chassis (Optimized for H11SSL-i)

1U	■ SC813MFTQC-350CB2 ■ SC813MFTQC-R407CB
2U	■ SC213AC-R1K23LPB ■ SC216BE1C4-R1K23LPB ■ SC825TQC-R740LPB ■ SC826BE1C4-R1K23LPB
3U	■ SC836BE1C-R1K23B
4U	■ SC745BAC-R1K28B2 ■ SC846BE1C-R1K23B

Server(s) (with H11SSL-i)

Model(s)	■ AS -1013S-MTR
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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 ■ Watch Dog ■ NMI ■ SUM ■ IPMI 2.0, KVM with dedicated LAN
Power Configurations	■ ACPI Power Management ■ Power-on mode control for AC power loss recovery

PC Health Monitoring

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

Input / Output

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

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)

Bulk Pack List

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

Retail Pack List

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

Optional Parts List

	Part Number	Qty	Description
I/O Cable	CBL-SAST-0699	-	MINI SAS HD-4 SATA, 12G, INT, 75/75/90/90CM, 75CM SB, 28/30AWG, Ro
TPM security module	<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;