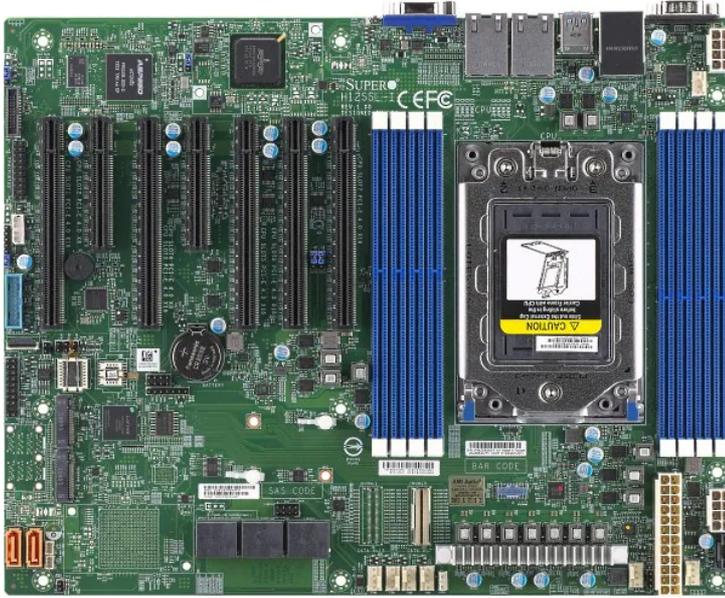


H12SSL-i

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](#)

Key Features

1. Single AMD EPYC™ 7003/7002 Series Processor
(The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)
2. 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs
3. Expansion slots:
 - 5 PCI-E 4.0 x16
 - 2 PCI-E 4.0 x8
 - M.2 Interface:** 2 PCI-E 4.0 x4
 - M.2 Form Factor:** 2280, 22110
 - M.2 Key:** M-key
4. 8 SATA3, 2 M.2,
8 SATA3 or 2 NVMe via single SlimSAS x8
5. 2 Gigabit Ethernet LAN Ports
6. ASPEED AST2500 BMC graphics
7. Up to 6 USB 3.0 ports
(4 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

Product SKUs

MBD-H12SSL-i

H12SSL-i

MBD-H12SSL-i-O

H12SSL-i (Retail Pack)

Physical Stats

Form Factor

ATX

Dimensions

12" x 9.6" (30.5cm x 24.4cm)

Processor/Chipset

CPU

Single AMD EPYC™ 7003/7002 Series Processor
(The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)

Socket SP3

Cores

Up to 64 Cores

Chipset

System on Chip

System Memory

Memory Capacity

8 DIMM slots

Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM

8-channel memory bus

Memory Type

DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs

DIMM Sizes

8GB, 16GB, 32GB, 64GB, 128GB, 256GB

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

Dual gigabit LAN via Broadcom BCM5720

1 Realtek RTL8211F PHY (dedicated IPMI)

VGA

ASPEED AST2500 BMC

Input / Output

SATA

8 SATA3 (6 Gbps) ports

SATA/NVMe Hybrid

8 SATA3 or 2 NVMe via single SlimSAS x8

LAN

2 RJ45 Gigabit Ethernet LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

6 USB 3.0 ports

(4 rear + 2 via header)

VGA

1 VGA port

Chassis (Optimized for H12SSL-i)

1U

[SC813MFTQC-350CB2](#)

[SC813MFTQC-R407CB](#)

2U

[SC213BAC8-R1K23LPB](#)

[SC216BE1C4-R1K23LPB](#)

[SC825MBTQC-R802LPB](#)

[SC825TQC-R802LPB](#)

[SC826BE1C4-R1K23LPB](#)

[SCLA26AC12-R920LP1](#)

3U

[SC835TQC-R802B](#)

[SC836BE1C-R1K23B](#)

Mid-Tower

SC732i-903B

Tower/4U

[SC745BAC-R1K23B](#)

[SC846BE1C-R1K23B](#)

Server(s) (with H12SSL-i)

Model(s)

[AS -2014S-TR](#)

[AS -3014TS-i](#)

System BIOS

BIOS Type

AMI 256Mb 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, +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

Others

- 1 COM port (rear)
 - 2 SATA DOM power connectors
 - 1 TPM 2.0 header
-

Expansion Slots**PCI-Express**

- 5 PCI-E 4.0 x16
- 2 PCI-E 4.0 x8

M.2

- Interface: 2 PCI-E 4.0 x4
 - Form factor: 2280, 22110
 - Key: M-key
-

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