

H11DSi



Links & Resources

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- ▶ [Tested AOC List](#)
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OS Compatibility

([/Aplus/support/resources/OS/OS_Comp_H11_EPYC7001_7002-DP-1.cfm](#))

Key Features

1. Dual AMD EPYC™ 7001/7002* Series Processors (*AMD EPYC 7002 series drop-in support requires board revision 2.x)
2. 2TB Registered ECC DDR4 2666MHz SDRAM in 16 DIMMs
4TB Registered ECC DDR4 3200MHz SDRAM in 16 DIMMs (Board revision 2.x required)
3. Expansion slots:
 - 2 PCI-E 3.0 x16
 - 3 PCI-E 3.0 x8
 - M.2 Interface:** 1 SATA/PCI-E 3.0 x2
(Platform with EPYC 7002 processor only supports PCI-E type M.2 module)
 - M.2 Form Factor:** 2280, 22110
 - M.2 Key:** M-key
4. 10 SATA3, 1 M.2, 2 SATA DOM
5. Dual Gigabit Ethernet LAN Ports
6. ASPEED AST2500 BMC graphics
7. Up to 2 USB 3.0 ports
Up to 4 USB 2.0 ports
8. 8 4-pin PWM Fan & Speed control

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

Specifications

Product SKUs

MBD-H11DSi

H11DSi

MBD-H11DSi-B

H11DSi (Bulk Pack)

Physical Stats

Form Factor

E-ATX

Dimensions

12" x 13.05" (30.5cm x 33.1cm)

Processor/Chipset

CPU

Dual AMD EPYC™ 7001/7002* series Processors (*Board revision 2.x required)

Socket SP3

Up to 240W TDP

Cores

Up to 32 Cores

Up to 64 Cores (Board revision 2.x required)

Chipset

System on Chip

System Memory

Memory Capacity

16 DIMM sockets

Supports up to 2TB Registered ECC DDR4 2666MHz SDRAM in 16 DIMMs

Supports up to 4TB 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® i350-AM21

1 Realtek RTL8211E PHY (dedicated IPMI)

VGA

ASPEED AST2500 BMC

Input / Output

SATA

10 SATA3 (6 Gbps) ports

LAN

2 RJ45 Gigabit Ethernet LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

2 USB 3.0 ports (rear)

4 USB 2.0 ports (2 rear + 2 via header)

Chassis (Optimized for H11DSi)

2U

[SC213AC-R1K23LPB](/products/chassis/2U/213/SC213AC-R1K23LPB)

(</products/chassis/2U/213/SC213AC-R1K23LPB>).

[SC216BE1C4-R1K23LPB](/products/chassis/2U/216/SC216BE1C4-R1K23LPB)

(</products/chassis/2U/216/SC216BE1C4-R1K23LPB>).

[SC825TQC-R802LPB](/products/chassis/2U/825/SC825TQC-R802LPB)

(</products/chassis/2U/825/SC825TQC-R802LPB>).

[SC826BE1C4-R1K23LPB](/products/chassis/2U/826/SC826BE1C4-R1K23LPB)

(</products/chassis/2U/826/SC826BE1C4-R1K23LPB>).

[SC829HE1C4-R1K62LPB](/products/chassis/2U/829/SC829HE1C4-R1K62LPB)

(</products/chassis/2U/829/SC829HE1C4-R1K62LPB>).

3U

[SC836BE1C-R1K23B](/products/chassis/3U/836/SC836BE1C-R1K23B)

(</products/chassis/3U/836/SC836BE1C-R1K23B>).

4U

[SC745BAC-R1K28B2](/products/chassis/4U/745/SC745BAC-R1K28B2)

(</products/chassis/4U/745/SC745BAC-R1K28B2>).

[SC846BE1C-R1K23B](/products/chassis/4U/846/SC846BE1C-R1K23B)

(</products/chassis/4U/846/SC846BE1C-R1K23B>).

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) (/products/nfo/SMS_SD5.cfm).

Watch Dog

NMI

[SUM](/products/nfo/SMS_SUM.cfm) (/products/nfo/SMS_SUM.cfm).

[IPMI 2.0](/products/nfo/SMS_IPMI.cfm) (/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

CPU

Monitors CPU Core Voltages, +1.5V, +1.8V, +12V +5V, +5V standby

CPU switching voltage regulator

Supports system management utility

VBAT

FAN

Up to 8-fan status tachometer monitoring

Up to eight 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 8x Fan connectors

I²C Temperature Sensing Logic

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

2 PCI-E 3.0 x16

M.2

Interface: 1 SATA/PCI-E 3.0 x2

(Platform with EPYC 7002 processor only supports PCI-E type M.2 module)

Form factor: 2280, 22110

Key: M-key

Parts List

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)

[Global SKU \(/en/products/SMC_global_skus\)](/en/products/SMC_global_skus)
