

A+ Server 2013S-C0R



Integrated Board



(/Aplus/motherboard/EPYC7000/H11SSL-C.cfm)

H11SSL-C (/Aplus/motherboard/EPYC7000/H11SSL-C.cfm)

Views: | [Angled View \(/a_images/products/views/2013S-C0R_angle.jpg\)](#) |
| [Top View \(/a_images/products/views/2013S-C0R_top.jpg\)](#) |
| [Front View \(/a_images/products/views/2013S-C0R_front.jpg\)](#) | [Rear View \(/a_images/products/views/2013S-C0R_rear.jpg\)](#) |

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#)

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=86396&ProductName=AS2013S-C0R\)](#)

[Tested AOC](#) [Manuals](#)

[OS Certification Matrix \(/en/support/resources/certification/AS-2013S-C0R\)](#)

[Quick-References Guide](#) [Drive Options](#)

Key Features

- **Cloud and Virtualization needs**
- **Connectivity/Storage**

Computer Nodes

- **Database Processing & Storage**
- **High End Enterprise Server**
- **Hosting & Application delivery**

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 (low profile);
3 PCI-E 3.0 x8 (low profile)
M.2 Interface: PCI-E 3.0 x4 (NVMe based)
M.2 Form Factor: 2280, 22110
M.2 Key: Onboard M-key
Number of M.2: Single
4. Integrated IPMI 2.0 + KVM with dedicated LAN
• **Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management**
5. 2x 1GbE LAN ports via Intel® I210
6. 8 hot-swap 3.5" SAS3/SATA3 Drive Bays (on-board Broadcom 3008 IR mode),
1 M.2 NVMe SSD slot Supported
7. 740W Redundant Platinum Level Power Supplies
(Full redundancy based on configuration and application load)

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

Specifications

**Product SKUs - Discontinued SKU (EOL).
Please contact sales-rep for alternative options.**

AS -2013S-C0R
A+ Server 2013S-C0R

Motherboard

[H11SSL-C \(/Aplus/motherboard/EPYC7000/H11SSL-C.cfm\)](#)

Processor/Chipset

CPU

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

Socket SP3

Supports CPU TDP 225W / cTDP up to 240W*

Cores

Up to 32 Cores (Board revision 1.x + 7001 Processors)

Up to 64 Cores (Board revision 2.x + 7002 Processors)

Chipset

System on Chip (SoC)

System Memory

Memory Capacity

8 DIMM slots

Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM (7001 Processors)

Supports up to 2TB Registered ECC DDR4 3200MHz SDRAM (Board revision 2.x required + 7002 Processors)

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 + 7002 Processors)

DIMM Sizes

4GB, 8GB, 16GB, 32GB, 64GB, 128GB, 256GB*

(* Board revision 2.x required + 7002 Processors)

Memory Voltage

1.2V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

On-Board Devices

SATA/SAS

SATA3 (6 Gbps)

Broadcom 3008 SAS3 (12 Gbps) controller

IR mode; RAID 0, 1, 10

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

Intel® I210 Controller

VGA

ASPEED AST2500 BMC

Expansion Slots

PCI Express

3 PCI-E 3.0 x16 (low profile)

3 PCI-E 3.0 x8 (low profile)

Chassis

Form Factor

2U

Model

[SC825TQ-R740LPB \(/products/chassis/2U/825/SC825TQ-R740LP.cfm\)](#)

Dimensions

Height

3.5" (89mm)

Width

17.2" (437mm)

Depth

25.5" (647mm)

Weight

Net Weight: 35.5 lbs (16.1 kg)

Gross Weight: 69 lbs (31.2 kg)

Front Panel

Buttons

Power On/Off button

System Reset button

LEDs

Power LED

Hard drive activity LED

2x Network activity LEDs

System Overheat LED / Fan fail LED /

UID LED

Drive Bays

Hot-swap

8 hot-swap 3.5" SAS3/SATA3 Drive Bays

Peripheral Drives

DVD-ROM

Slim DVD-ROM drive (optional)

Backplane

HDD Backplane

Supports 8 SAS3/SATA3 3.5" HDD

System Cooling

Fans

3 heavy-duty PWM fans with optimal fan speed control

Power Supply with Power Distributor

740W Redundant high-efficiency power supply with PMBus

AC Input

100-240 V, 50-60 Hz, 9-3.5 Amp

DC Output

4 Amp @ +5V standby

61.7 Amp @ +12V

Certification



<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=1>

Platinum Certified

[[Test Report \(/products/powersupply/80PLUS/80PLUS1R.pdf\)](#)]

PC Health Monitoring

M.2

Interface: PCI-E 3.0 x4 (NVMe based)

Form Factor: 2280, 22110

Key: Onboard M-key

Number of M.2: Single

Input / Output

SATA/SAS

8 SATA3 (6 Gbps) /

8 SAS3 ports via Broadcom 3008

LAN

2x 1GbE LAN ports

1 RJ45 Dedicated IPMI LAN port

USB

3 USB 3.0 ports

2 USB 2.0 ports

VGA

1 VGA port

Others

1 COM port (rear)

2 SATA DOM power connector

TPM 1.2 header

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

Parts List

CPU

Monitors CPU Core Voltages, +12V, +3.3V, +5V, +5V standby, 3.3V standby

CPU switching voltage regulator

FAN

Fan status tachometer monitoring

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

LED

CPU / System Overheat LED

Other Features

Chassis Intrusion Detection

Chassis Intrusion Header

Operating Environment / Compliance

RoHS

RoHS Compliant

Environmental Spec.

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:

Certain products may not be available in your region

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