A+ Server 3014TS-i

Integrated Board

Super H12SSL-i

Views: | Angled View | Side View |
| Front View | Rear View |

> ▸ **Drivers & Utilities** ▸ **BIOS** ▸ **IPMI** ▸ **Tested Memory** ▸ **Tested M.2 List** ▸ **Tested AOC** ▸ **Manuals** ▸ **Quick-References Guide** ▸ **Drive Options**

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

Key Applications

- **Entry-Level Workstation**
- **Video and Music Production**
- **3D Simulation and Rendering**
- **Office Applications**

Key Features

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

2. 8 DIMMs; up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM

3. 5 PCI-E 4.0 x16 (FH), 2 PCI-E 4.0 x8 (FH)

4. Integrated IPMI 2.0 + KVM with dedicated LAN
   • **Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management**

5. 4 internal 3.5" SATA3 drive bays and 4 internal 2.5" drive bays
   M.2 Interface: 2 PCI-E 4.0 x4
   M.2 Form Factor: 2280, 22110
   M.2 Key: M-Key

6. 6 USB 3.0 ports (4 rear, 2 via header), 1 VGA, ASPEED AST2500 BMC graphics

7. Dual Gigabit LAN ports

8. 900W Gold Level Power Supply

Specifications

Product SKUs

AS -3014TS-i	A+ Server 3014TS-i (**Black**)

Motherboard

Super H12SSL-i

Processor/Chipset

CPU	Single AMD EPYC™ 7002/7003 Series Processor (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)
	Socket SP3
	Supports CPU TDP up to 280W
Cores	Up to 64 Cores

System Memory

Memory Capacity	8 DIMM slots
	Up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM
Memory Type	DDR4 3200 MHz Registered ECC, 288-pin gold-plated DIMMs

On-Board Devices

Chipset	System on Chip
SATA	SATA3 (6Gbps)
Network Controllers	Broadcom BCM5720 Gigabit Ethernet Controller
IPMI	Support for Intelligent Platform Management Interface v.2.0
	IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	ASPEED AST2500 BMC

Input / Output

SATA	8 SATA3 (6 Gbps) ports
LAN	Dual Gigabit Ethernet ports
	1 RJ45 Dedicated IPMI LAN port
USB	6 USB 3.0 ports (4 rear, 2 via header)
COM	1 COM Port (rear)
Video	1 VGA port
DOM	1 SuperDOM (Disk on Module) port

System BIOS

BIOS Type	AMI 256Mb SPI Flash EEPROM

Management

Software	Super ● Doctor 5
	Watch Dog
	NMI
	SUM
	IPMI 2.0, KVM with dedicated LAN

Chassis

Form Factor	Mid-Tower
Model	**CSE-732i-903B**

Dimensions and Weight

Width	7.6" (193mm)
Height	16.7" (424mm)
Depth	20.68" (525mm)
Packaging (W x H x L)	11.97" (304mm) x 21.38" (543mm) x 25.27" (642mm)
Net Weight	27 lbs (12.25 kg)
Gross Weight	30 lbs (13.61 kg)
Available Colors	Black

Front Panel

Buttons	Power On/Off button
LEDs	Power status LED
	HDD activity LED
	Network activity LEDs
	System Information LED
Ports	2 USB 3.0 Ports

Expansion Slots

PCI-Express	5 PCI-E 4.0 x16 (FH) slots
	2 PCI-E 4.0 x8 (FH) slots
M.2	Interface: 2 PCI-E 4.0 x4
	Form factor: 2280, 22110
	Key: M-key

Drive Bays

Internal	4 internal 3.5" SATA3 drive bays
	4 internal 2.5" drive bays

System Cooling

Fans	2x 12cm rear exhaust fans
	Optional additional 12cm rear exhaust fan
Note	Active CPU Heat Sink (SNK-P0064AP4) from Optional Parts List is required

Power Supply

900W AC multi output power supply

AC Voltage	100-240 V, 50-60 Hz, 10-6 Amp
+5V Standby	3 Amp
+12V1	25 Amp
+12V2	25 Amp
+12V3	25 Amp
+12V4	25 Amp
+5V	25 Amp
+3.3V	25 Amp
-12V	0.5 Amp

Power Configurations	■ ACPI / APM Power Management

PC Health Monitoring

CPU	■ Monitors for CPU Cores, Chipset Voltages, Memory. ■ 4+1 Phase-switching voltage regulator
FAN	■ 2 Fans with tachometer monitoring ■ Status monitor for speed control ■ Pulse Width Modulated (PWM) fan connectors
Temperature	■ Monitoring for CPU and chassis environment ■ Thermal Control for fan connectors

Certification	80 PLUS GOLD **Gold Level**
Note:	• Max. continuous combined load on +3.3V and +5V output shall not exceed 155W. • Max. continuous combined load on +12V1, +12V2, +12V3 and +12V4 output shall not exceed 860W.

Operating Environment

RoHS	■ RoHS Compliant

Environmental Spec.	■ Operating Temperature:
	  10°C ~ 35°C (50°F ~ 95°F)
	■ Non-operating Temperature:
	  -40°C to 60°C (-40°F to 140°F)
	■ Operating Relative Humidity:
	  8% to 90% (non-condensing)
	■ Non-operating Relative Humidity:
	  5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-H12SSL-i	1	Super H12SSL-i Motherboard
	CSE-732i-903B	1	3U Mid-Tower Chassis
Cable 1	CBL-0082L	2	Y SPLIT SATA POWER ADAPTER, PB FREE
Cable 2	CBL-PWCD-0160-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Cable 3	CBL-SAST-1270-100	1	Slimline x8 (STR) to 8x SATA,70CM,100 OHM,RoHS
FAN 1	FAN-0077L4-1	1	120x120x38 mm, 4K RPM, Optional Rear Exhaust Fan for SC732
Parts	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket.
*Power Supply	PWS-903-PQ	1	PS2 900W Multi-Output Power Supply 80Plus Gold
*Cable 4	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
*Cable 5	CBL-CUSB-1007	1	20p,F to 2x USB 3.0 type A,F,70CM,26/30AWG,RoHS
*Cable 6	CBL-0084L	1	16PIN FRONT CTRL SPLIT CONVECTOR 6",PB FREE
*Drive Tray(s)	MCP-220-73101-0B	4	SC731 Tool-less Internal 3.5inch HDD Tray
*FAN 2	FAN-0124L4	1	12 CM x 12 CM fan
Software	SFT-OOB-LIC · eStore	1	OOB Management Package (per node license)

Notes:
1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

	Part Number	Qty	Description
Heat Sink*	SNK-P0064AP4	-	4U Active CPU Heat Sink for AMD Socket SP3 Platform
	* **Note**: Adding this part is required (not included in the barebone/chassis)		
TPM	AOM-TPM-9655V	-	Vertical TPM with Infineon 9655 TCG 1.2
	AOM-TPM-9665V	-	AOM-TPM-9665V using SLB9665 Chipset supporing TPM2.0,RoHS/REACH
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)