

# A+ Server 3014TS-i



**Integrated Board**



**Super H12SSL-i**

**Views:** | [Angled View](#) | [Side View](#) |  
| [Front View](#) | [Rear View](#) |

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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

- Power Configurations** ■ ACPI / APM Power Management

## PC Health Monitoring

- CPU**
  - Monitors for CPU Cores, Chipset Voltages, Memory.
  - 4+1 Phase-switching voltage regulator

## 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

## Certification



Gold Level

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<b>FAN</b>	<ul style="list-style-type: none"><li>■ 2 Fans with tachometer monitoring</li><li>■ Status monitor for speed control</li><li>■ Pulse Width Modulated (PWM) fan connectors</li></ul>
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<b>Temperature</b>	<ul style="list-style-type: none"><li>■ Monitoring for CPU and chassis environment</li><li>■ Thermal Control for fan connectors</li></ul>
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<b>Note:</b>	<ul style="list-style-type: none"><li>• Max. continuous combined load on +3.3V and +5V output shall not exceed 155W.</li><li>• Max. continuous combined load on +12V1, +12V2, +12V3 and +12V4 output shall not exceed 860W.</li></ul>
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#### Operating Environment

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<b>RoHS</b>	<ul style="list-style-type: none"><li>■ RoHS Compliant</li></ul>
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<b>Environmental Spec.</b>	<ul style="list-style-type: none"><li>■ Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</li><li>■ Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li><li>■ Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>■ Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul>
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# Parts List

## Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-H12SSL-i	1	Super H12SSL-i Motherboard
	CSE-732i-903B	1	3U Mid-Tower Chassis
<b>Cable 1</b>	CBL-0082L	2	Y SPLIT SATA POWER ADAPTER, PB FREE
<b>Cable 2</b>	CBL-PWCD-0160-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
<b>Cable 3</b>	CBL-SAST-1270-100	1	Slimline x8 (STR) to 8x SATA,70CM,100 OHM,RoHS
<b>FAN 1</b>	FAN-0077L4-1	1	120x120x38 mm, 4K RPM, Optional Rear Exhaust Fan for SC732
<b>Parts</b>	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket.
<b>*Power Supply</b>	PWS-903-PQ	1	PS2 900W Multi-Output Power Supply 80Plus Gold
<b>*Cable 4</b>	CBL-0071L	1	ROUND 16 TO 16 PIN RIBBON FP CABLE 30"L, LF
<b>*Cable 5</b>	CBL-CUSB-1007	1	20p,F to 2x USB 3.0 type A,F,70CM,26/30AWG,RoHS
<b>*Cable 6</b>	CBL-0084L	1	16PIN FRONT CTRL SPLIT CONVECTOR 6",PB FREE
<b>*Drive Tray(s)</b>	MCP-220-73101-0B	4	SC731 Tool-less Internal 3.5inch HDD Tray
<b>*FAN 2</b>	FAN-0124L4	1	12 CM x 12 CM fan
<b>Software</b>	<u>SFT-OOB-LIC</u> • 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
<b>Heat Sink*</b>	SNK-P0064AP4	-	4U Active CPU Heat Sink for AMD Socket SP3 Platform
	* <b>Note:</b> Adding this part is required (not included in the barebone/chassis)		
<b>TPM</b>	AOM-TPM-9665V	-	Vertical TPM with Infineon 9665 TCG 1.2
	AOM-TPM-9665V	-	AOM-TPM-9665V using SLB9665 Chipset supporting TPM2.0,RoHS/REACH
<b>Global Services &amp; Support</b>	<u>OS4HR3/2/1</u>	-	3/2/1-year onsite 24x7x4 service
	<u>OSNBD3/2/1</u>	-	3/2/1-year onsite NBD service
<b>Software</b>	<u>SFT-DCMS-Single</u>	1	DataCenter Management Package (per node license)