A+ Server 2014S-TR

Integrated Board

(/Aplus/motherboard/EPYC7000/H12SSL-i.cfm)

Super H12SSL-i (/Aplus/motherboard/EPYC7000/H12SSL-i.cfm)
Views: | **Angled View (/a_images/products/views/2014S-TR_angle.jpg)** | **Top View (/a_images/products/views/2014S-TR_top.jpg)** |
| **Front View (/a_images/products/views/2014S-TR_front.jpg)** | **Rear View (/a_images/products/views/2014S-TR_rear.jpg)** |

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

Specifications

Key Applications

- Backup storage
- Web or Database Servers
- Compact Network Appliance

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 LP slots, 2 PCI-E 4.0 x8 LP slots

4. 2x 1GbE LAN ports, 1 dedicated IPMI LAN port

5. 12 Hot-swap 3.5" SATA3 drive bays,
   2 rear Hot-swap 2.5" SATA3 Drive bays
      via optional kit
   M.2 Interface: 2 PCI-E 4.0 x4
   M.2 Form Factor: 2242, 2260, 2280, 22110
   M.2 Key: M-Key

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

7. 920W Redundant Platinum Level Power Supplies
   (Full redundancy based on configuration and application load)

Product SKUs
AS -2014S-TR
A+ Server 2014S-TR (**Black**)

Motherboard
Super H12SSL-i (/Aplus/motherboard/EPYC7000/H12SSL-i.cfm)

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
2x 1GbE LAN 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

System BIOS
BIOS Type
AMI 256Mb SPI Flash EEPROM

Management
Software
Super● Doctor 5 (/products/nfo/SMS_SD5.cfm)
Watch Dog
NMI
SUM (/products/nfo/SMS_SUM.cfm)
IPMI 2.0 (/products/nfo/SMS_IPMI.cfm), 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
2U Rackmount
Model
CSE-LA26TS-R920LPP1

Dimensions and Weight
Width
17.2" (437mm)
Height
3.5" (89mm)
Depth
25.5" (648mm)
Package
11.4" (H) x 26.7" (W) x 34.5" (D)
Weight
Net Weight: 33.5 lbs (15.2 kg)
Gross Weight: 60 lbs (27.2 kg)
Available Colors
Black

Front Panel
Buttons
Power On/Off button
UID button
LEDs
Power status LED
HDD activity LED
Network activity LEDs
Universal Information (UID) LED

Expansion Slots
PCI-Express
5 PCI-E 4.0 x16 LP slots
2 PCI-E 4.0 x8 LP slots

Drive Bays
Hot-swap
12 Hot-swap 3.5" SATA3 drive bays
2 rear Hot-swap 2.5" SATA3 drive bays via optional kit

Backplane
2U SAS/SATA/NVMe HDD Backplane

System Cooling
Fans
3x 80x80x38mm middle cooling fans

Power Supply
1U 920W redundant power supply
Total Output Power and Input
920W with Input 100 - 127Vac
920W with Input 200 - 240Vac
920W with Input 200 - 240Vdc
Dimension
(W x H x L)
76 x 40 x 336 mm
AC Input Frequency
50-60Hz
+12V
Max: 75A / Min: 0A (100Vac-127Vac)
Max: 75A / Min: 0A (200Vac-240Vac)
+5Vsb
Max: 4A / Min: 0A
Output Type
Backplanes (connector)
Certification

FAN

3 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

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

Global SKU (/en/products/SMC_global_skus)