

Mainstream A+ Server AS -2014S-TR

2U Mainstream with 7 low-profile PCIe 4.0 slots



Key Applications

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

Key Features

- 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);
- 8 DIMMs; up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM;
- 5 PCIe 4.0 x16 LP slots + 2 PCIe 4.0 x8 LP slots;
- 12 Hot-swap 3.5" SATA3 drive bays,
2 rear Hot-swap 2.5" SATA3 Drive bays via optional kit
M.2 Interface: 2 PCIe 4.0 x4
M.2 Form Factor: 2242, 2260, 2280, 22110
M.2 Key: M-key;



| | |
|--------------------------|---|
| Form Factor | 2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 678.2 x 289.6 x 876.3mm (26.7" x 11.4" x 34.5") |
| Processor | Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors |
| System Memory | Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM |
| Drive Bays Configuration | Default: Total 12 bays <ul style="list-style-type: none"> • 12 front hot-swap 3.5" SATA drive bays Option A: Total 14 bays <ul style="list-style-type: none"> • 12 front hot-swap 3.5" SATA drive bays • 2 rear hot-swap 2.5" SATA* drive bays (*SATA support may require additional storage controller and/or cables, please see the optional parts list for details) |
| Expansion Slots | PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 5 PCIe 4.0 x16 LP slots • 2 PCIe 4.0 x8 LP slots M.2: 2 M.2 PCIe 4.0 x4 slots (M-key 2242/2260/2280/22110) |
| On-Board Devices | Network Connectivity: 2 RJ45 1GbE IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 1 GbE LAN ports USB: 6 USB 3.0 ports(Rear) Video: 1 VGA port Serial: 1 COM port |

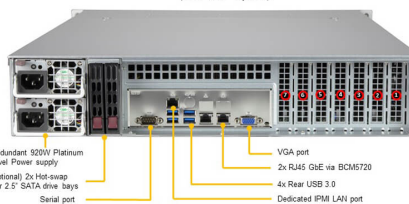
(Front View – System)



| Slot | Description |
|--------|---|
| 0 - 11 | 3.5" Hot-swap SATA3/SAS3*/NVMe** Drive Bays** |

*SAS3/NVMe support requires additional parts in optional parts list.
 **3.5" drive bay also supports 2.5" drives

(Rear View – System)



| Slot Name | Slot Description |
|-----------|------------------|
| 1 | PCI-E 4.0 x16 LP |
| 2 | PCI-E 4.0 x8 LP |
| 3 | PCI-E 4.0 x16 LP |
| 4 | PCI-E 4.0 x8 LP |
| 5 | PCI-E 4.0 x16 LP |
| 6 | PCI-E 4.0 x16 LP |
| 7 | PCI-E 4.0 x16 LP |

*Full redundancy based on configuration and application load.

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|-----------------------|--|
| System Cooling | Fans: Up to 3 x 80x80x38mm middle cooling Fan(s) |
| Power Supply | 2x 920W Redundant (1 + 1) Platinum Level (94%) power supplies |
| System BIOS | BIOS Type: AMI 256MB SPI Flash ROM |
| Management | Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog; NMI |
| PC Health Monitoring | CPU: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory. FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 60 lbs (27.2 kg) Net Weight: 33.5 lbs (15.2 kg) Available Color: Silver |
| Operating Environment | RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 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) |
| Motherboard | Super H12SSL-i |
| Chassis | CSE-LA26TS-R920LPP1 |