

# Mainstream A+ Server AS -2024S-TR

2U Mainstream with dual AMD® EPYC™ and 6 PCIe 4.0 slots



## Key Applications

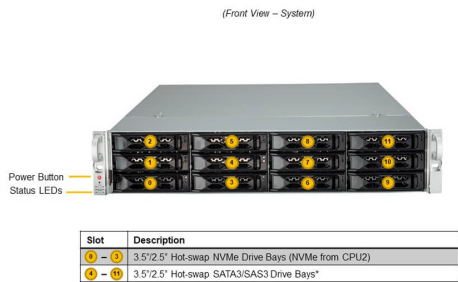
Virtualization, Enterprise Server, Data Center Optimized, Application and data serving, Model analysis, Compute Intensive Applications,

## Key Features

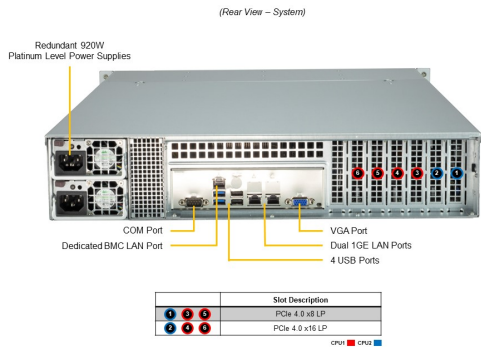
- Dual AMD EPYC™ 7003/7002 Series Processors Supports Up to 240W CPU TDP;
- AMD® SP3;
- Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz in 16 DIMMS;
- 3 PCIe 4.0 x16 Low Profile (LP) 3 PCIe 4.0 x8 Low Profile (LP);
- Dual Gigabit LAN;
- 12 Hot-swap 3.5" (tool-less) or 2.5" (screw) drive bays (default configuration is 8 SATA + 4 NVMe) (up to 12 NVMe drives supported with optional NVMe kit)
- 1 M.2 support: - M.2 Interface: PCIe 3.0 x4 - M.2 form factor: 2260, 2280, 22110 - M.2 Key: M-Key;
- 920W Redundant Power Supplies Platinum level;
- 1 rear VGA, 1 Type A port, 1 COM Port, and 4 USB ports;



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 2U Rackmount<br>Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5")<br>Package: 678.2 x 289.6 x 876.3mm (26.7" x 11.4" x 34.5")                                                                                                                                                                                                                                                                                                                                  |
| Processor                | Dual Socket SP3<br>AMD EPYC™ 7002/7003 Series Processors<br>Up to 64C/128T; Up to 256MB Cache per CPU                                                                                                                                                                                                                                                                                                                                                           |
| System Memory            | Slot Count: 16 DIMM slots<br>Max Memory (1DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM                                                                                                                                                                                                                                                                                                                                                                        |
| Drive Bays Configuration | Default: Total 12 bays <ul style="list-style-type: none"> <li>• 4 front hot-swap 3.5" NVMe drive bays</li> <li>• 8 front hot-swap 3.5" SAS*/SATA drive bays</li> </ul> Option A: Total 12 bays <ul style="list-style-type: none"> <li>• 12 front hot-swap 2.5" SAS/SATA drive bays</li> </ul> (*SAS support may require additional storage controller and/or cables, please see the optional parts list for details)<br>M.2: 1 M.2 NVMe slot (M-key 2280/22110) |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 3 PCIe 4.0 x8 LP slots</li> <li>• 3 PCIe 4.0 x16 LP slots</li> </ul>                                                                                                                                                                                                                                                                                                                                           |
| On-Board Devices         | Chipset: AMD SP3<br>Network Connectivity: 2 RJ45 1GbE                                                                                                                                                                                                                                                                                                                                                                                                           |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 1 GbE LAN ports<br>USB: 2 USB 2.0 ports(rear)<br>2 USB 3.0 ports(rear)<br>Video: 1 VGA port<br>DOM: 2 SuperDOM (Disk on Module) ports                                                                                                                                                                                                                                                                        |



\*SAS3 support requires additional parts in optional parts list



|                       |                                                                                                                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 3 Middle 80mm Fan(s)<br>Air Shroud: 1 Clear Plastic Air Shroud                                                                                                                                                                                                                                               |
| Power Supply          | 2x 920W Redundant Platinum Level (94%) power supplies                                                                                                                                                                                                                                                                    |
| Management            | SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!                                                                               |
| PC Health Monitoring  | CPU: 7 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory.<br>FAN: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 60 lbs (27.2 kg)<br>Net Weight: 33.5 lbs (15.2 kg)<br>Available Color: Silver                                                                                                                                                                                                                      |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)                                                                                |
| Motherboard           | <a href="#">Super H12DSi-N6</a>                                                                                                                                                                                                                                                                                          |
| Chassis               | CSE-LA26TS-R920LPP1                                                                                                                                                                                                                                                                                                      |