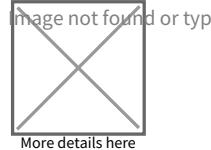


# Mainstream A+ Server AS -2024S-TR

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;



### 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

Dual Socket SP3  
AMD EPYC™ 7002/7003 Series Processors  
Up to 64C/128T; Up to 256MB Cache per CPU

### System Memory

Slot Count: 16 DIMM slots  
Max Memory (1DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM

### Drive Bays Configuration

Default: Total 12 bays

- 4 front hot-swap 3.5" NVMe drive bays
- 8 front hot-swap 3.5" SAS\*/SATA drive bays

Option A: Total 12 bays

- 12 front hot-swap 2.5" SAS/SATA drive bays

(\*SAS support may require additional storage controller and/or cables, please see the optional parts list for details)  
M.2: 1 M.2 NVMe slot (M-key 2280/22110)

### Expansion Slots

Default

- 3 PCIe 4.0 x8 LP slots
- 3 PCIe 4.0 x16 LP slots

### On-Board Devices

Chipset: AMD SP3  
Network Connectivity: 2 RJ45 1GbE

### Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port  
2 RJ45 1 GbE LAN ports  
USB: 2 USB 2.0 ports(rear)  
2 USB 3.0 ports(rear)  
Video: 1 VGA port  
DOM: 2 Super[DOM](#) (Disk on Module) ports

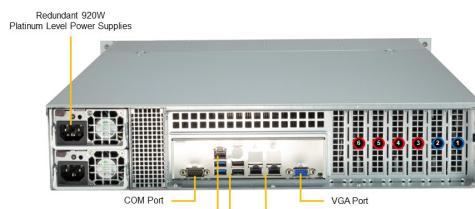
(Front View - System)



Slot	Description
① – ②	3.5"/2.5" Hot-swap NVMe Drive Bays (NVMe from CPU2)
④ – ⑩	3.5"/2.5" Hot-swap SATA3/SAS3 Drive Bays*

\*SAS3 support requires additional parts in optional parts list

(Rear View - System)



Slot	Description
①	PCIe 4.0 x8 LP
②	PCIe 4.0 x16 LP

CPU1 CPU2

#### System Cooling

Fans: Up to 3 Middle 80mm Fan(s)  
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

FAN: 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  
CPU: Monitors for CPU Cores, Chipset Voltages, Memory.  
7 Phase-switching voltage regulator

#### Dimensions and Weight

Weight: Gross Weight: 60 lbs (27.2 kg)  
Net Weight: 33.5 lbs (15.2 kg)  
Available Color: Silver

#### Operating Environment

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 H12DSi-N6](#)

#### Chassis

[CSE-LA26TS-R920LPP1](#)