Mainstream A+ Server AS -2024S-TR

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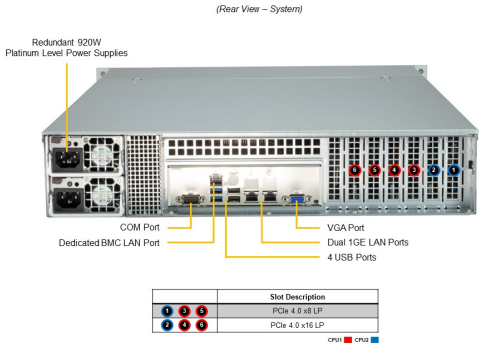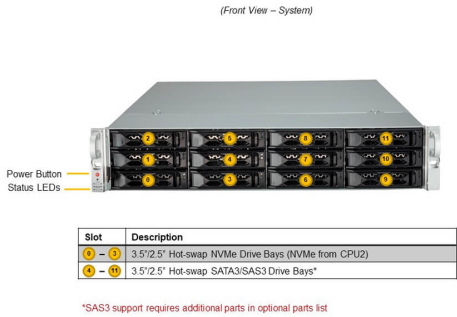

More details here

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 SuperDOM (Disk on Module) ports

(Front View – System)

(Rear View – System)

Power Button
Status LEDs

Slot	Description
0 – 3	3.5"/2.5" Hot-swap NVMe Drive Bays (NVMe from CPU2)
4 – 11	3.5"/2.5" Hot-swap SATA3/SAS3 Drive Bays*

*SAS3 support requires additional parts in optional parts list

Redundant 920W
Platinum Level Power Supplies

COM Port
Dedicated BMC LAN Port

VGA Port
Dual 1GE LAN Ports
4 USB Ports

	Slot Description
1 3 5	PCIe 4.0 x8 LP
2 4 6	PCIe 4.0 x16 LP

CPU1 ■ CPU2 ■

System Cooling

Fans: 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 ~ 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)

Motherboard

Super H12DSi-N6

Chassis

CSE-LA26TS-R920LPP1