AMD EPYC (H13) | 2U Rackmount | Server

Supermicro AS-2015CS-TNR

AMD EPYC (H13) · 2U Rackmount Server

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Form Factor **2U Rackmount**	CPU **AMD EPYC™ 9004/9005 Series Processors(* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)**
GPU **Up to 2 double-width or 4 single-width GPUs**	Memory **Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor, MB R1.x/R2.0/R2.01)**

Key Features

- Single AMD EPYC™ 9004/9005* Series Processor(*AMD EPYC™ 9005 series drop-in support requires board revision 2.x)
- Support up to DDR5 12 DIMM slots (1DPC). speed up to 6400MT/s(Please check System Memory Section for detail)
- 2 PCIe 5.0 x16 FHFL + 2 PCIe 5.0 x16 FHHL + 2 PCIe 5.0 x8 FHFL(Optional)
- Dual AIOM (OCP 3.0) for networking, 1 dedicated IPMI LAN
- 12 Hot-swap 3.5"/2.5" SATA drive baysOptional 4 Hot-swap NVMe or 12 SAS drives support via additional parts2 M.2 PCIe 3.0 x2 NVMe slots
- Dual 1200W Redundant Titanium Level power supplies(Power supply full redundancy based on configuration and application load)

Form Factor	2U Rackmount
Platform	AMD EPYC (H13)
CPU	Single processor(s) AMD EPYC™ 9004/9005 Series Processors(* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)
Max GPU Count	Up to 2 double-width or 4 single-width GPUs
Supported GPU	NVIDIA PCIe: A100, A16, A2, A30, A40, L4, L40, L40S, RTX 6000 Ada Generation, RTX A4000
Memory	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor, MB R1.x/R2.0/R2.01)
Drive Bays	Default: Total 12 bays12 front hot-swap 3.5"/2.5" SATA drive bays

Fans	Up to 3x 8cm heavy duty fans with optimal fan speed control
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies

Full Specifications — AS-2015CS-TNR

Product SKUs

Part numbers	AS -2015CS-TNR AS -2015CS-TNR-01-G2 Gold Series version with pre-configured components

Motherboard

Motherboard	A+ Motherboard® H13SSW

Processor

CPU	Single processor(s) AMD EPYC™ 9004/9005 Series Processors(* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)
Core Count	Up to 160C/320T
Note	Supports up to 400W TDP CPUs * *Air Cooled CPUs with TDP over 360W only supported under specific conditions. Contact a Supermicro representative for details.

GPU

Max GPU Count	Up to 2 double-width or 4 single-width GPUs
Supported GPU	NVIDIA PCIe: A100, A16, A2, A30, A40, L4, L40, L40S, RTX 6000 Ada Generation, RTX A4000 View GPU Options
CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect
GPU-GPU Interconnect	PCIe

System Memory

Memory	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor, MB R1.x/R2.0/R2.01) Max Memory (1DPC): Up to 3TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor, MB R2.0) Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor, MB R2.01) View Memory Options
Memory Voltage	1.1V

On-Board Devices

Network Connectivity	Via AIOM View AIOM Options View AOC Options

Input / Output

LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	2 USB 3.0 ports (rear)
Video	1 VGA port
Serial	1 COM port (rear)
TPM	1 TPM header

System BIOS

BIOS Type	AMI 32MB SPI Flash ROM
BIOS Features	ACPI 6.4 Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 USB Keyboard support

Management

Software	SuperCloud Composer® (SCC) Supermicro Server Manager (SSM) Supermicro Update Manager (SUM) Supermicro SuperDoctor® 5 (SD5) Super Diagnostics Offline (SDO) Supermicro Thin-Agent Service (TAS) OOB Management Package (SFT-OOB-LIC) SuperServer Automation Assistant (SAA) New!
Power configurations	ACPI Power Management Power-on mode control for AC power loss recovery Power button override mechanism,

Security

Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
Features	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery Supply Chain Security: Remote Attestation Runtime BMC Protections System Lockdown

PC Health Monitoring

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
Voltage	System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support

Certifications

Operating Systems	Genoa: ESXi 7.0 U3, ESXi 8.0, Hypervisor 8.2.1, Oracle Linux 9.0, RHEL 9.0, SLES 12 SP5, SLES 15 SP4, Windows Server 2022, Windows Server 2025 Turin: Windows Server 2025 View all OS Compatibility and Certification Matrix
Enterprise Solutions	VMWare vSAN Microsoft Azure Local

Chassis

Form Factor	2U Rackmount
Model	CSE-LA26TS-R1K23AWP1

Dimensions and Weight

Height	3.5" (89 mm)
Width	17.2" (437 mm)
Depth	25.5" (648 mm)
Package	11.4" (H) x 26.7" (W) x 34.5" (D)
Weight	Gross Weight: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg)
Available Color	Black front & sliver body

Front Panel

Buttons	Power On/Off Universal Information (UID)
LED	Drive activity Network activity Power status Universal Information (UID)

Expansion Slots

PCI-Express (PCIe) Configuration	Default2 PCIe 5.0 x16 FHFL slots 2 PCIe 5.0 x16 FHHL slots 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) 2 PCIe 5.0 x16 FHFL slots 2 PCIe 5.0 x16 FHHL slots 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) Option A*2 PCIe 5.0 x8 FHFL slots 2 PCIe 5.0 x8 FHFL slots (*Requires additional parts, please see the optional parts list for details. For more details on PCIe slot configuration options, please refer to the system callout images above.) View AOC Options

Drive Bays / Storage

Drive Bays Configuration	Default: Total 12 bays12 front hot-swap 3.5"/2.5" SATA drive bays 12 front hot-swap 3.5"/2.5" SATA drive bays Option A: Total 4 bays4 front hot-swap 2.5" PCIe 5.0 NVMe* drive bays 4 front hot-swap 2.5" PCIe 5.0 NVMe* drive bays Option B: Total 12 bays12 front hot-swap 3.5"/2.5" SAS* drive bays 12 front hot-swap 3.5"/2.5" SAS* drive bays (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) View NVMe Options View Drive Options
M.2	2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280/22110) View M.2 Options

System Cooling

Fans	Up to 3x 8cm heavy duty fans with optimal fan speed control
Air Shroud	1 Air Shroud

Power Supply

2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies

Dimension (WxHxL)	76 x 40 x 336 mm
Input	1000W: 100-127Vac / 50-60Hz 1200W: 200-240Vac / 50-60Hz 1200W: 200-240Vdc / 50-60Hz (for CCC only)
+12V	Max: 83A / Min: 0A (100Vac-127Vac) Max: 100A / Min: 0A (200Vac-240Vac) Max: 100A / Min: 0A (200Vdc-240Vdc)
5V SB	Max: 4A / Min: 0A
Output Type	Backplanes (gold finger)

Operating Environment

Environmental Spec.	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)