AMD EPYC (H13) | 2U | Server

Supermicro AS-2015A-TR

AMD EPYC (H13) · 2U Server

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Form Factor	CPU
2U	**AMD EPYC™ 4004 / 4005 or AMD Ryzen™ 7000 / 9000 Series Processors**
GPU	**Memory**
Up to 1 double-width or 2 single-width GPUs	**Max Memory (2DPC): Up to 192GB 5200MT/s ECC/non-ECC DDR5 UDIMM**

Key Features

- AMD EPYC™ 4004 / 4005 or Ryzen™ 7000 / 9000 series LGA1718 up to 170W TDP Processors
- 4 DDR5-5200 UDIMM ECC/Non-ECC slots supporting up to 192GB memory
- 2 PCIe 5.0 x16 HHHL slots (16/NA or 8/8)
- IPMI 2.0 + KVM with Dedicated LAN (1GbE)Dual 1GbE LAN (Intel® I210-AT)
- 800W High-Efficiency Power Supply Titanium Level Certified

Form Factor	2U
Platform	AMD EPYC (H13)
CPU	Single processor(s) AMD EPYC™ 4004 / 4005 or AMD Ryzen™ 7000 / 9000 Series Processors
Max GPU Count	Up to 1 double-width or 2 single-width GPUs
Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 192GB 5200MT/s ECC/non-ECC DDR5 UDIMM
Drive Bays	Default: Total 8 bays8 front hot-swap 3.5" SAS/SATA drive bays
Fans	Up to 3x 80mm Fan(s)
Power Supply	2x 800W Redundant (1 + 1) Titanium Level (96%) power supplies

Full Specifications — AS-2015A-TR

Product SKUs

Part numbers	AS -2015A-TR

Motherboard

Motherboard	A+ Motherboard® H13SAE-MF

Processor

CPU	Single processor(s) AMD EPYC™ 4004 / 4005 or AMD Ryzen™ 7000 / 9000 Series Processors
Core Count	Up to 16C/32T
Note	Supports 60W - 170W TDP CPUs (Air Cooled)

GPU

Max GPU Count	Up to 1 double-width or 2 single-width GPUs
CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect

System Memory

Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 192GB 5200MT/s ECC/non-ECC DDR5 UDIMM View Memory Options
Memory Voltage	1.1V

On-Board Devices

SATA	SATA (6Gbps) ; RAID 0/1 support
NVMe	NVMe; RAID 0/1 support(Native)
Chipset	AMD B650
Network Connectivity	1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI) 2 RJ45 1GbE with Intel® I210-AT View AOC Options

Input / Output

LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	3 Type-A ports (Rear) 2 Type-C ports (Rear) 1 Type-C port (Rear)
Video	1 VGA port 1 DisplayPort 1.4 port 1 port(s) supporting 4K@60Hz as specified in HDMI® 2 (Rear)

Audio	Rear Audio
TPM	1 TPM header

System BIOS

BIOS Type	AMI 32MB SPI Flash

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) SuperServer Automation Assistant (SAA) New!
Power configurations	ACPI 6.0 Power Management

Security

Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
Features	Supply Chain Security: Remote Attestation Runtime BMC Protections

PC Health Monitoring

Fan	Status monitor for speed control
Other Features	8-pin 12v DC power connector, ACPI power management, ATX Power connector, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor
Temperature	CPU thermal trip support, Monitoring for CPU and chassis environment, PECI
Voltage	+1.0V PCH, +1.8V PCH, +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 3.3V standby, 5 (4-pin), CPU, CPU temperature, CPU thermal trip support, PCH temperature, System temperature, VBAT, VRM

Certifications

Operating Systems	Grado: Windows Server 2025 Raphael: Windows Server 2022, Windows Server 2025 Ryzen: RHEL 9.3, Windows Server 2022 View all OS Compatibility and Certification Matrix

Chassis

Form Factor	2U
Model	CSE-825TQC-R802LPB

Dimensions and Weight

Height	3.5" (89 mm)
Width	17.2" (437 mm)
Depth	25.5" (647 mm)
Package	11.4" (H) x 26.7" (W) x 34.5" (D)
Weight	Gross Weight: 52 lbs (23.59 kg) Net Weight: 37 lbs (16.78 kg)
Available Color	Black

Front Panel

Buttons	Power On/Off button System Reset button
LED	HDD activity LED Network Activity LEDs Power Fail LED Power status LED System Information LED

Expansion Slots

PCI-Express (PCIe) Configuration	Default1 PCIe 4.0 x4 LP slot 2 PCIe 5.0 x16 LP slots 1 PCIe 4.0 x4 LP slot 2 PCIe 5.0 x16 LP slots View AOC Options

Drive Bays / Storage

Drive Bays Configuration	Default: Total 8 bays8 front hot-swap 3.5" SAS/SATA drive bays 8 front hot-swap 3.5" SAS/SATA drive bays View Drive Options
M.2	2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110) View M.2 Options

System Cooling

Fans	Up to 3x 80mm Fan(s)
Air Shroud	1 Air Shroud

Power Supply

2x 800W Redundant (1 + 1) Titanium Level (96%) power supplies

Dimension (WxHxL)	76 x 40 x 336 mm
Input	800W: 100-240Vac / 50-60Hz 800W: 200-240Vdc / 50-60Hz

+12V	Max: 66A / Min: 0A (100Vac-240Vac) Max: 66A / 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)