AMD EPYC (H13) | 1U | Server

Supermicro AS-1015SV-WTNRT

AMD EPYC (H13) · 1U Server

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Form Factor **1U**	CPU **AMD EPYC™ 8005/8004 Series Processor**
GPU **Up to 1 double-width or 2 single-width GPUs**	Memory **Max Memory (1DPC): Up to 768GB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 8004 Series Processor)**

Key Features

- Single Socket AMD EPYC™ 8005/8004 Series Processor
- 6 DIMM slots, up to DDR5-6400MHz memory, support up to 1.5TB
- 2 PCIe 5.0 x16 FHFL; 1 PCIe 5.0 x16 LP
- Single dedicated IPMI LAN, dual 10GbE BaseT LAN ports via Broadcom BCM57416 Controller
- 4 hot-swap 3.5" drive bays support SATA(default)/NVMe/SAS drives (optional cables or SAS controller card for NVMe and SAS drive bays)
- Dual 860W Redundant Titanium Level power supplies(Power supply full redundancy based on configuration and application load)

Form Factor	1U
Platform	AMD EPYC (H13)
CPU	Single processor(s) AMD EPYC™ 8005/8004 Series Processor
Max GPU Count	Up to 1 double-width or 2 single-width GPUs
Supported GPU	NVIDIA PCIe: A2, L4, L40
Memory	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 768GB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 8004 Series Processor)
Drive Bays	Default: Total 4 bays4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays
Fans	Up to 6 Heavy duty counter-rotating 40x40x56mm Fan(s)
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies

Full Specifications — AS-1015SV-WTNRT

Product SKUs

Part numbers	AS -1015SV-WTNRT

Motherboard

Motherboard	A+ Motherboard® H13SVW-NT

Processor

CPU	Single processor(s) AMD EPYC™ 8005/8004 Series Processor
Core Count	Up to 84C/168T; Up to 384MB Cache
Note	Supports up to 225W TDP CPUs (Air Cooled)

GPU

Max GPU Count	Up to 1 double-width or 2 single-width GPUs
Supported GPU	NVIDIA PCIe: A2, L4, L40 View GPU Options

System Memory

Memory	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 768GB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 8004 Series Processor) Max Memory (1DPC): Up to 1.5TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 8005 Series Processor) View Memory Options
Memory Voltage	1.1V

On-Board Devices

Network Connectivity	2 RJ45 10GBASE-T with Broadcom® BCM57416 View AOC Options

Input / Output

LAN	1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports
USB	4 ports (rear)
Video	1 VGA port
Serial	1 COM port (rear)
TPM	1 TPM Onboard/port 80

System BIOS

BIOS Type	AMI 32MB SPI Flash EEPROM

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	1U redundant 800/860W Titanium AC power supply

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

Certifications

Operating Systems	Siena: ESXi 7.0 U3, ESXi 8.0, Oracle Linux 9.0, RHEL 9.2, SLES 15 SP4, SLES 15 SP5, Windows Server 2022, Windows Server 2025 View all OS Compatibility and Certification Matrix

Chassis

Form Factor	1U

Model	CSE-815BTS-R000WNP

Dimensions and Weight

Height	1.7" (43 mm)
Width	17.2" (437 mm)
Depth	25.6" (650 mm)
Package	8.5" (H) x 23.5" (W) x 33.7" (D)
Weight	Gross Weight: 34.5 lbs (15.46 kg) Net Weight: 21.5 lbs (9.75 kg)
Available Color	Black

Front Panel

Buttons	Power On/Off button System Reset button Unit Identification (UID) button
LED	Fan Fail/System Over Heat LED HDD activity LED Network Activity LEDs Power status LED Unit Identification (UID) LED

Expansion Slots

PCI-Express (PCIe) Configuration	Default2 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 LP slot 2 PCIe 5.0 x16 FHFL slots 1 PCIe 5.0 x16 LP slot View AOC Options

Drive Bays / Storage

Drive Bays Configuration	Default: Total 4 bays4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays 4 front hot-swap 3.5" NVMe*/SAS*/SATA 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 x4 NVMe slots (M-key 2280/22110) View M.2 Options

System Cooling

Fans	Up to 6 Heavy duty counter-rotating 40x40x56mm Fan(s)
Air Shroud	1 Air Shroud

Power Supply

2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies

Dimension (WxHxL)	54.5 x 40.25 x 322 mm
Input	800W: 100-127Vac / 50-60Hz 860W: 200-240Vac / 50-60Hz 860W: 240Vdc / 50-60Hz
+12V	Max: 66.67A / Min: 0A (100Vac-127Vac) Max: 71.67A / Min: 0A (Vdc-240Vdc) Max: 71.67A / Min: 0A (200Vac-240Vac)
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: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)