

CloudDC A+ Server AS -2015CS-TNR

2U CloudDC with 12 hot-swap 3.5" NVMe/SAS/SATA bays and 4 PCIe 5.0 x16 slots + 2 AIOM slots



More details here

Key Applications

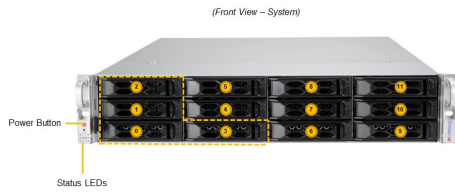
Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

Key Features

- Single 4th Generation AMD EPYC™ 9004 Series Processors;
- 2 PCIe 5.0 x16 FHFL; 2 PCIe 5.0 x16 FHHL;
- Dual AIOM with NCSI (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 12x 3.5/2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 3 heavy duty fans with optimal fan speed control, 1 air shroud;
- 1200W redundant Titanium level 100-240Vac and 200-240 Vdc power supplies; (*Full redundancy based on configuration and application load);
- 2 On-board PCIe 3.0 x2 M.2 NVMe 80mm/110mm (Boot);

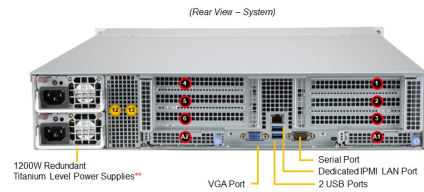


Form Factor	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 678 x 290 x 876mm (26.7" x 11.4" x 34.5")
Processor	Single Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 2 double-width or 4 single-width GPU(s) Supported GPU: NVIDIA PCIe: L40, RTX A4000, RTX 6000 ADA, L40S, L4, A40, A30, A16, A2, A100 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 12 bay(s) <ul style="list-style-type: none"> • 4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bay(s) • 8 front hot-swap 3.5" SAS*/SATA drive bay(s) (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 3.0 x2 NVMe slot(s) (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 FHFL slot(s) • 2 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option A <ul style="list-style-type: none"> • 2 PCIe 5.0 x8 FHFL slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via Slim-AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) USB: 2 USB 3.0 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear) TPM: 1 TPM header



Slot	Description
① - ②	3.5" Hot-Swap NVMe/SAS/SATA Drive Bays
③ - ④	3.5" Hot-Swap SAS/SATA Drive Bays

*SAS support requires additional parts in optional parts list
 **NVMe support requires additional cables parts in optional parts list.



1200W Redundant Titanium Level Power Supplies**

Drive Bay	Description
① - ②	Optional 2.5" Hot-Swap NVMe/SAS/SATA Drive Bays***

Slot	Description	Slot	Description
①	PCIe 5.0 x16 Slot (FHFL)	④	PCIe 5.0 x8 Slot (FHFL) (Optional)*
②	PCIe 5.0 x8 Slot (FHFL) (Optional)*	⑤	PCIe 5.0 x16 Slot (FHFL)
③	PCIe 5.0 x16 Slot (FHFL)	⑥	PCIe 5.0 x16 Slot (FHFL)
④	PCIe 5.0 x16 AICM Slot (HCS)	⑦	PCIe 5.0 x16 AICM Slot

* PCIe Slots 2 and 4 are not available with NVMe drive option ** Full redundancy based on configuration and application load
 *** Requires additional parts in optional parts list; Depending on drive option, using rear drive bay may limit front drive and/or PCIe slot options. Contact support for details.

System Cooling	Fans: 3x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	1x 1200W Redundant Titanium Level power supply
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	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; TAS: Supermicro Thin-Agent Service (TAS); 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 Voltage: System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support
Dimensions and Weight	Weight: Gross Weight: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg) Available Color: Black front & silver body
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 H13SSW
Chassis	CSE-LA26TS-R1K23AWP1