

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 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 bays
Optional 4 Hot-swap NVMe or 12 SAS drives support via additional parts
2 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 Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 679 x 296 x 876mm (26.7" x 11.4" x 34.5")
Processor	Single processor(s) AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) Up to 160C/320T
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 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 (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)
Drive Bays Configuration	Default: Total 12 bays <ul style="list-style-type: none"> • 12 front hot-swap 3.5"/2.5" SATA drive bays Option A: Total 4 bays <ul style="list-style-type: none"> • 4 front hot-swap 2.5" PCIe 5.0 NVMe* drive bays Option B: Total 12 bays <ul style="list-style-type: none"> • 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) M.2: 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 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* <ul style="list-style-type: none"> • 2 PCIe 5.0 x8 FHFL slots
On-Board Devices	Chipset: System on Chip Network Connectivity: Via AIOM
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

(Front View – System)



Drive Bay	Description
1 – 4	4 Hot-swap 3.5" HDD/SSD/SAS/SATA Drive Bays
5 – 8	4 Hot-swap 3.5" SAS/SATA Drive Bays

¹ HDD support requires additional cables from the optional parts list.
² SAS support requires additional parts from the optional parts list.

(Rear View – System)



Slot	Slot Description	Drive Bay	Description
1	PCIe 5.0 x16 FRHL	9 – 10	2 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays (optional) ¹
2	PCIe 5.0 x8 FHFL (optional) ²		
3	PCIe 5.0 x16 FRHL		
4	PCIe 5.0 x16 AJOM (OCP 3.0)		
5	PCIe 5.0 x16 AJOM (OCP 3.0)		

¹ Full redundancy based on configuration and application load.
² PCIe slots 2 and 4 are not available with NVMe drive option.
³ Requires additional parts from the optional parts list, depending on drive option, using near drive bays may limit from drive end of PCIe slot options. Contact support for details.

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
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); Supermicro SuperDoctor [®] 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); OOB Management Package (SFT-OOB-LIC); SuperServer Automation Assistant (SAA) New!
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
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 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)
Motherboard	Super H13SSW
Chassis	CSE-LA26TS-RIK23AWP1