CloudDC A+ Server AS -1015CS-TNR

1U CloudDC with 4 hot-swap 3.5" NVMe/SAS/SATA bays and 2 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 Series Processor;
- 2 PCIe 5.0 x16 FHHL;
- Dual AIOM with NCSI (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 4 Hot-swap 3.5/2.5" hybrid NVMe/SATA/SAS drive bays;

Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 605 x 197 x 878mm (23.8" x 7.8" x 34.6")
Processor	Single Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 2 single-width GPU(s) Supported GPU: NVIDIA PCIe: L4, A2 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 4 bay(s) • 4 front hot-swap 3.5" NVMe*/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) Peripheral Bays: 2 2.5" peripheral bay(s) (optional)

Expansion Slots	Default
	  • 2 PCIe 5.0 x16 FHHL slot(s)
	  • 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)

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

(Front View – System)
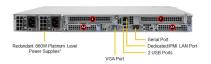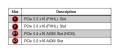
(Rear View – System)

Status LEDs
UID Button
Power Button

Serial Port
Dedicated IPMI LAN Port
2 USB Ports
VGA Port

Redundant 860W Platinum Level
Power Supplies*

Slot	Description
0 - 3	3.5" Hot-Swap NVMe*/SAS*/SATA Drive Bays

*NVMe and SAS support requires additional parts in optional parts list

Slot	Description
1	PCIe 5.0 x16 (FHHL) Slot
2	PCIe 5.0 x16 (FHHL) Slot
A1	PCIe 5.0 x16 AIOM Slot (NCSI)
A2	PCIe 5.0 x16 AIOM Slot

*Full redundancy based on configuration and application load.

System Cooling

Fans: 6x 4cm heavy duty fans with optimal fan speed control
Air Shroud: 1 Air Shroud(s)

Power Supply

2x 860W Redundant Platinum Level (94%) 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); SuperServer Automation Assistant (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

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Dimensions and Weight

Weight: Gross Weight: 46 lbs (20.9 kg)
      Net Weight: 25 lbs (11.3 kg)
Available Color: Black front & sliver 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-LA15TS-R860AWP2