

# CloudDC A+ Server AS -2014CS-TR

2U CloudDC with 4 PCI-E 4.0 x16 slots + 2 PCIe 4.0 AIOM

## Key Applications

Cloud Computing, Content Delivery Network (CDN), Deep Learning Inferencing, Financial Services, Private Cloud, Networking Security Appliance,

## Key Features

- Single AMD EPYC™ 7002/7003 Series Processor  
(The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer);
- 16 DIMMs; up to 4TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM;
- 4 PCIe 4.0 x16 FH, 10.5" L slots  
2 AIOM slots for flexible networking (1 x8 AIOM slot + 1 x16 AIOM slot);
- 12 Hot-swap 3.5" SATA3/SAS3/NVMe drive bays  
12 SATA3 by default  
or 8 SATA3 + 4NVMe via optional cables  
or 12 SAS3 via optional SAS kit  
Optional dual 2.5" peripheral drive bays via rear drive bay kits  
M.2 Interface: 2 PCIe 4.0 x4  
M.2 Form Factor: 2242, 2260, 2280, 22110  
M.2 Key: M-key;



### 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 Socket SP3  
AMD EPYC™ 7002/7003 Series Processors

### GPU

Max GPU Count: Up to 2 double-width or 4 single-width GPUs  
Supported GPU: NVIDIA PCIe: A10, A100, A16, A2, A40, RTX A4000, RTX A5000, RTX A6000, T4  
AMD PCIe: Instinct™ MI100, Instinct™ MI210

### System Memory

Slot Count: 16 DIMM slots  
Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM

### Drive Bays Configuration

Default: Total 12 bays

- 12 front hot-swap 3.5" SATA drive bays

Option A: Total 12 bays

- 8 front hot-swap 3.5" SATA drive bays
- 4 front hot-swap 3.5"/2.5" NVMe\* drive bays

Option B: Total 12 bays

- 12 front hot-swap 3.5" SAS\* drive bays

(\*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details)

### Expansion Slots

PCI-Express (PCIe) Configuration: Default

- 4 PCIe 4.0 x16 FH/10.5"L slots
- 2 PCIe 4.0 x16 AIOM slots (OCP 3.0 compatible)

M.2: 2 M.2 PCIe 4.0 x4 slots (M-key 2242/2260/2280/22110)

### On-Board Devices

SATA: SATA (6Gbps)  
Network Connectivity: Ethernet  
IPMI: Support for Intelligent Platform Management Interface v.2.0  
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

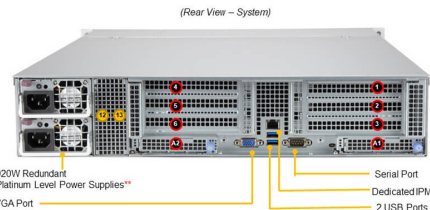
### Input / Output

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)



Slot	Description
0 - 3	3.5" Hot-Swap SATA3/SAS3/NVMe** Drive Bays

\*SAS3 support requires additional parts in optional parts list  
 \*\*NVMe support requires additional cables parts in optional parts list for slots 0 - 3



Drive Bay	Description
0 - 3	Optional 2.5" Hot-Swap SATA3/SAS3 Drive Bays***

Slot	Description	Slot	Description
1	PCI-E 4.0 x16 Slot (FH, 10.5L)	1	PCI-E 4.0 x16 Slot (FH, 10.5L)
2	PCI-E 4.0 x16 Slot (FH, 10.5L)	2	PCI-E 4.0 x16 Slot (FH, 10.5L)
3	PCI-E 4.0 x16 Slot (FHHL) (Optional)**	3	PCI-E 4.0 x16 Slot (FHHL) (Optional)**
4	PCI-E 4.0 x16 AIOM Slot	4	PCI-E 4.0 x8 AIOM Slot (NCSI)

\* Contact support for configurations requiring optional PCIe slots to be enabled  
 \*\* Full redundancy based on configuration and application load  
 \*\*\* Requires additional parts in optional parts list

System Cooling	Fans: Up to 3 middle cooling 80x80x38mm Fan(s)
Power Supply	2x 920W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog; OOB Management Package (SFT-OOB-LIC)
PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory Fan: 3 fans with tachometer status monitoring, Status monitoring for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
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	RoHS Compliant 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	<a href="#">Super H12SSW-AN6</a>
Chassis	<a href="#">CSE-LA26TS-R1K23AWP1</a>