

CloudDC A+ Server AS -2015CS-TNR



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;
- 12 DIMM slots up to 3TB 3DS ECC RDIMM DDR5-4800MHz ;
- 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);

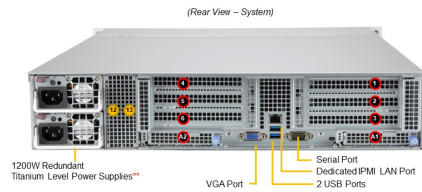


Form Factor	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 678 x 290 x 876mm (26.7" x 11.4" x 34.5")
Processor	Single Socket SP5 AMD EPYC™ 9004 Series Processors Up to 128C/256T
GPU	Max GPU Count: Up to 2 double-width or 4 single-width GPU(s) Supported GPU: NVIDIA PCIe: L40, RTX 6000 ADA, L4, A30, A2, RTX A4000, L40S, A40, A16, 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	12x 3.5" hot-swap NVMe/SATA/SAS drive bays (4x 2.5" NVMe hybrid)(12 SATA by default) 2x NVMe (PCIe Gen 3x2, Boot drive only) M-Key, 2280/22110
Expansion Slots	2 PCIe 5.0 x16 FHFL slot(s) 2 PCIe 5.0 x16 FHHL slot(s) 2 PCIe 5.0 x16 AIOM slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via Slim-AIOM 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 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) Video: 1 VGA port(s) TPM: TPM header Serial Port: 1 COM Port(s) (1 rear)



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**
 VGA Port
 Serial Port
 Dedicated IPMI LAN Port
 2 USB Ports

Drive Bay	Description
① - ④	Optional 2.5" Hot-Swap NVMe/SAS/SATA3 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)**	③	PCIe 5.0 x16 Slot (FHFL)
③	PCIe 5.0 x16 Slot (FHFL)	②	PCIe 5.0 x16 Slot (FHFL)
④	PCIe 5.0 x16 AICM Slot (KCS)	①	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	1200W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM BIOS Features: USB Keyboard support
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline; KVM with dedicated LAN; IPMI 2.0
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	Height: 3.5" (89 mm) Width: 17.2" (437 mm) Depth: 25.5" (648 mm) Gross Weight: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg) Packaging: 11.4" (H) x 26.7" (W) x 34.5" (D) 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

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis				
Part Number	MBD-H13SSW	CSE-LA26TS-R1K23AWP1		
Qty	1	1		
Description	Super H13SSW Motherboard	2U Chassis		
Backplane				
Part Number	BPN-NVME5-LA26A-S12			
Qty	1			
Description	2U 12-Slot 3.5			
Cable				
Part Number	CBL-MCJO-1227EQS4	CBL-MCJO-1243S4Y	CBL-MCJO-1339MSR	CBL-PWCD-0160-IS
Qty	1	1	4	2
Description	MCIO x8 (STR+pTab to SlimSAS X4/STR+pTab,27CM,32AWG,RoHS	(MCIO x8 to 2 SlimSAS x4), STR, 43cm, 850hm, RoHS,RoHS	MCIO x8 (STR to RA),39CM,32AWG,RoHS	PWCD,JIS,NEMAS-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Manual				
Part Number	MNL-2580-QRG			
Qty	1			
Description	AS -2015CS-TNR Quick Reference Guide			
Riser Card				
Part Number	RSC-D2-666G5	RSC-D2R-666G5		
Qty	1	1		
Description	2U LHS DCO Riser card with three PCIe 5.0 X16 slots,HF,	2U RHS DCO Riser card with three PCIe 5.0 X16 slots,HF,		
Software				
Part Number	SFT-OOB-LIC			
Qty	1			
Description	License key for enabling OOB BIOS management			
Heatsink / Retention				
Part Number	SNK-P0083P			
Qty	1			
Description	2U Passive CPU Heat Sink for AMD Socket SP5 Processors, RoHS			
*Power Supply				
Part Number	PWS-1K23A-1R			
Qty	2			
Description	AC-DC 1200W, Titanium Level, Redundancy, 1U, PMBUS 1.2, +12V/+5Vsb, 336x76x40 mm,HF,RoHS/REACH			
*Power Distributor				
Part Number	PDB-PT826-S4824			
Qty	1			
Description	Based on PDB-PT826-8824 to add 2pcs 8pin for option support			
*Fan				
Part Number	FAN-0206L4			
Qty	3			
Description	80x80x38 mm, 13.5K RPM, Middle Cooling Fan for 2U and above Servers			
*Drive Tray(s)				
Part Number	MCP-220-00184-0B	MCP-290-82607-0N		
Qty	12	1		
Description	Black gen-9 tool-less cost-effective 3.5	826B/216B rear dummy cover for 2 X 2.5		
*Rear Window				
Part Number	MCP-240-00170-0N			
Qty	1			
Description	2U X12 W/O rear window for SCLA26			
*Rail Set				
Part Number	MCP-290-00053-0N			
Qty	1			
Description	Rail set, quick/quick, default for 2,3U 17.2"W			
*Air Shroud				
Part Number	MCP-310-82619-0B			
Qty	1			
Description	Sponge air Block sets for CSE-826B and LA26-AW			

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

12 NVMe Optional Cables				
Part Number	CBL-MCJO-1339MSR e\$Store (https://store.supermicro.com/mcio-x8-str-to-ra-39cm-32awg-rohs.html)	CBL-MCJO-1232M5 e\$Store (https://store.supermicro.com/mcio-x8-str-to-str-32cm-85ohm-rohs.html)		
Qty	1	5		
Description	MCIO x8 (STR to RA),39CM,32AWG	MCIO x8 (STR to STR),32cm,85OHM		
3908/3916 CacheVault				
Part Number	BTR-CVPM05			
Qty	1			
Description	CacheVault for Broadcom 3908/3916 (requires a SuperCap mount)			
3908/3916 SuperCap Mount				
Part Number	MCP-240-00203-0N	MCP-240-00127-0N	MCP-240-21747-0N	
Qty	1	1	1	
Description	SuperCap mounting bracket for PCIe location	SuperCap mounting tray for 2.5" drive location	SuperCap mounting card for A10M location	
4 NVMe Optional Cables (Slot 0-3)				
Part Number	CBL-MCJO-1232M5 e\$Store (https://store.supermicro.com/mcio-x8-str-to-str-32cm-85ohm-rohs.html)			
Qty	2			
Description	MCIO x8 (STR to STR),32cm,85OHM			
Cable Management Arm				
Part Number	MCP-120-82601-0N	MCP-290-00073-0N		
Qty	1	1		
Description	Cable arm adapter for SCLA26-AW	Supermicro Cable Management Arm for 2U, 3U and 4U chassis		
Global Services & Support				
Part Number	OSNBD3/2/1 (/support/Global_Services.cfm)	QS4HR3/2/1 (/support/Global_Services.cfm)		
Qty	-	-		
Description	3/2/1-year onsite NBD service	3/2/1-year onsite 24x7x4 service		
M.2 by AOC				
Part Number	AOC-SLG4-2H8M2			
Qty	1			
Description	2x Hybrid Gen 4 NVMe/SATA M.2 RAID 0/1 Carrier, Standard LP			
Optional PCIe 5.0 x8 (PCIe slot 2 & 4) (For 12 SATA Configuration Only)				
Part Number	CBL-MCJO-1339MSR e\$Store (https://store.supermicro.com/mcio-x8-str-to-ra-39cm-32awg-rohs.html)			
Qty	2			
Description	MCIO x8 (STR to RA),39CM,32AWG			
Rear Window NVMe Drive Kit				

Part Number	MCP-220-82623-0N	CBL-MCJO-1255M5	CBL-PWEX-1123-30	CBL-MCJO-1339M5R Store (https://store.supermicro.com/mcjo-x8-str-to-ra-39cm-32awg-rohs.html)
Qty	1	1	1	1
Description	Dual 2.5 NVMe5 Drive Kit for 216B/826B/218HZ	MCJO x8 (STR to STR),55CM,30AWG	McHi,2x2F,P3.0 to 1x4M,P5.08,30cm,9A/p,16AWG	MCJO x8 (STR to RA),39CM,32AWG
Rear Window SATA Drive Kit				
Part Number	MCP-220-82616-0N	CBL-MCJO-12700T4S2-85		
Qty	1	1		
Description	12G 2.5x2 Drive Kit w/ Status LED(216B/826B/417B/846X/847B)	MCJO X8/STR to 8 SATA+2 SB, 70cm, 85Ohm, RoHS,RoHS		
Software				
Part Number	SFT-DCMS-Single			
Qty	1			
Description	DataCenter Management Package (per node license)			
Storage Control Card and Cable(s)				
Part Number	AOC-S3808L-L8IT OR	AOC-S3908L-H8IR(-16DD/-32DD)	1x CBL-SAST-1276F-100	-
Qty	-	-	-	-
Description	8 int 12Gb/s SAS3 ports, x8 Gen4, HBA - LP, 122 HDD	8 int 12Gb/s ports, x8 Gen4, ROC - LP, 240 HDD	Slimline x8 (LE) to 2x Slimline x4 (STR),FFC,76/76CM	
TPM security module				
Part Number	AOM-TPM-9670V			
Qty	1			
Description	SPI capable TPM 2.0 with Infineon 9670 controller; vertical form factor			

[Global SKU \(en/products/SMC_global_sku\)](https://store.supermicro.com/global_sku)