

CloudDC A+ Server AS -1015CS-TNR



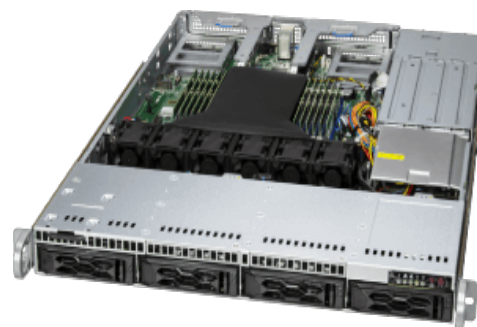
More details here

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 FHHL;
- Dual AIOM with NCSI (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 4x 3.5/2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 860W redundant Platinum 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	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	4x 3.5" hot-swap NVMe/SATA/SAS drive bays (4x 2.5" NVMe hybrid)(4 SATA by default) 2x NVMe (PCIe Gen 3x2, Boot drive only) M-Key, 2280/22110
Expansion Slots	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)

(Front View – System)



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

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

(Rear View – System)



Redundant 880W Platinum Level Power Supplies*
VGA Port
Serial Port
Dedicated IPMI LAN Port
2 USB Ports

Slot	Description
1	PCIe 5.0 x16 (FHHL) Slot
2	PCIe 5.0 x16 (FHHL) Slot
3	PCIe 5.0 x16 AOCM Slot (NCSS)
4	PCIe 5.0 x16 AOCM 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	860W Redundant Platinum 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: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 25.6" (650 mm) Gross Weight: 46 lbs (20.9 kg) Net Weight: 25 lbs (11.3 kg) Packaging: 7.8" (H) x 23.8" (W) x 34.6" (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-LA15TS-R860AWP2

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis			
Part Number	MBD-H13SSW	CSE-LA15TS-R860AWP2	
Qty	1	1	
Description	Super H13SSW Motherboard	1U Chassis	
Backplane			
Part Number	BPN-NVME5-LA15-S4		
Qty	1		
Description	1U 4-Slot 3.5		
Cable			
Part Number	CBL-MCIO-12700T452-85	CBL-CDAT-0680-55	CBL-PWCD-0160-15
Qty	1	1	2
Description	MCIO X8/STR to 8 SATA+2 SB, 70cm, 85Ohm, RoHS,RoHS	NCSI,2x10F to 2x10F,IDC,PH2.54,55cm,shield,28AWG,RoHS	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Fan			
Part Number	FAN-0163L4		
Qty	6		
Description	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan		
Front Panel			
Part Number	MCP-280-00033-0N	FPB-FP815U	
Qty	1	1	
Description	Universal Thermal sensor kit with 80cm I2C cable	815 UIO front control board (U)	
Air Shroud			
Part Number	MCP-310-LB005-0B		
Qty	1		
Description	Mylar Air Shroud for AMD 1U CloudDC with H13SSW		
Manual			
Part Number	MNL-2592-QRG		
Qty	1		
Description	AS-1015CS-TNR Quick Reference Guide		
Riser Card			
Part Number	RSC-D-6G5	RSC-DR-6G5	
Qty	1	1	
Description	1U LHS DCO Riser card with one PIC-E 5.0 X16 slot,HF,RoH	1U RHS DCO Riser card with one PCIe 5.0 X16 slot,HF,Ro	
Software			
Part Number	SFT-OOB-LIC		
Qty	1		
Description	License key for enabling OOB BIOS management		
Heatsink / Retention			
Part Number	SNK-P0082P		
Qty	1		
Description	1U Passive CPU Heat Sink for AMD Socket SP5 Processors		
*Power Supply			
Part Number	PWS-860P-1R2	MCP-250-81502-0N	
Qty	2	1	
Description	1U 860W, Redundant power supply, 54.5mm width, Platinum with	SC815 Redundant Power Distributor Cover	
*Power Distributor			
Part Number	PDB-PT116-SL8824		
Qty	1		
Description	Based on PDB-PT116-L8824 to optimize 24Pin etc cable lengths		
*Parts			
Part Number	MCP-160-00028-0B	MCP-320-00067-0B	
Qty	1	1	
Description	Mylar Cable Channel for Cloud-DC, X12 DDW	Chassis base Air Foam block set (L-R) for Cloud-DC	
*Drive Tray(s)			
Part Number	MCP-220-00184-0B		
Qty	4		
Description	Black gen-9 tool-less cost-effective 3.5		
*Rear Window			
Part Number	MCP-240-00173-0N		
Qty	1		
Description	1U X12 AWIO Rear window for LA15,LB16,LB13 Redundant PWS		
*Rail Set			
Part Number	MCP-290-00016-0N	MCP-290-00054-0N	
Qty	1	1set	
Description	1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N	Rail set, quick/quick, optional for 1U 17.2	
*Fan Holder			
Part Number	MCP-320-00056-0B	MCP-320-00066-0B	MCP-340-00035-0B
Qty	24	1	2
Description	40X56 rubber fan pin for SC819U, SC119U,RoHS/REACH	Fan holder with cable channel, 40X56mm fan, for LA15,LB16,LB13	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)

- 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

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 AIOM location
4 NVMe Optional Cables			
Part Number	CBL-MCIO-1225M5Y- Store (https://store.supermicro.com/mcio-x8-to-2-x4-str-25cm-85ohm-rohs.html)	CBL-MCIO-1235M5Y- Store (https://store.supermicro.com/mcio-x8-to-2-x4-str-35cm-30awg-rohs.html)	
Qty	1	1	
Description	MCIO (x8 to 2 x4) STR,25CM,85OHM	MCIO(x8 to 2 x4) STR,35CM,30AWG	
Cable Management Arm			
Part Number	MCP-290-00152-0N- Store (https://store.supermicro.com/1u-cable-management-arm-mcp-290-00152-0n.html)		
Qty	1		
Description	1U Supermicro Cable Management Arm 2nd Gen		
Fixed 2.5" Drive Kit			
Part Number	MCP-220-81511-0N	CBL-0234L- Store (https://store.supermicro.com/supermicro-15cm-4-pin-peripheral-to-2x-4-pin-peripheral-connector-cable-cbl-0234l.html)	CBL-0211L- Store (https://store.supermicro.com/supermicro-4-pin-peripheral-connector-to-3x-sata-power-extension-13-21-34cm-cable-cbl-0211l.html)
Qty	2	1	1
Description	FDD-size tray support for 1x 2.5" 7mm drive	Y CABLE FOR 4-PIN HDD	4PIN-TO-3X SATA POWER CABLE

Part Number	QS4HR3/2/1 (/support/Global_Services.cfm)	QSNBD3/2/1 (/support/Global_Services.cfm)
Qty	-	-
Description	3/2/1-year onsite 24x7x4 service	3/2/1-year onsite NBD service

M.2 by AOC	AOC-SL.G4-2H8M2
Part Number	AOC-SL.G4-2H8M2
Qty	1
Description	2x Hybrid Gen 4 NVMe/SATA M.2 RAID 0/1 Carrier, Standard LP

Software	SFT-DCMS-Single
Part Number	SFT-DCMS-Single
Qty	1
Description	DataCenter Management Package (per node license)

Storage Control Card and Cable(s)	AOC-S3808L-L8IT OR	AOC-S3908L-H8IR(-16DD/-3ZDD)	1x CBL-SAST-1275A-100 (Support HDD slot 0-3)
Part Number	AOC-S3808L-L8IT OR	AOC-S3908L-H8IR(-16DD/-3ZDD)	1x CBL-SAST-1275A-100 (Support HDD slot 0-3)
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 (STR) to 4x SATA

TPM security module	AOM-TPM-9670V
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_skus](#)