

# CloudDC SuperServer SYS-611C-TN4R



More details here

## Key Applications

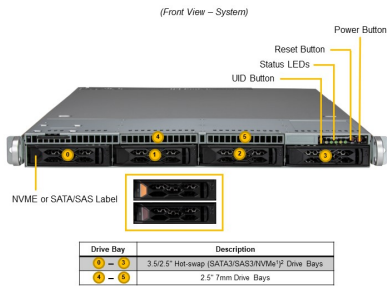
Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

## Key Features

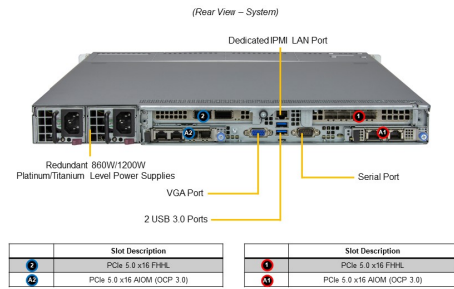
- Dual sockets E (LGA-4677) 5th and 4th Gen Intel® Xeon® Scalable processors;
- 16 DIMMs up to 4TB 3DS ECC DDR5-5600: RDIMM;
- 2 PCIe 5.0 x16 FHHL; 2 PCIe 5.0 x4 NVMe M.2;
- Dual AIOM (OCP 3.0) slots with NCSI for networking, 1 dedicated IPMI LAN;
- 4x 3.5/2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 6 counter-rotating 4 cm PWM fans with optimal fan speed control, 2 air shrouds;
- 860W redundant Titanium level 100-240Vac and 200-240 Vdc power supplies;
- 1 VGA, 1 COM, 2 USB 3.0 (rear);



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	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors Up to 32C/64T; Up to 82.5MB Cache per CPU
GPU	Max GPU Count: Up to 2 single-width GPU(s) Supported GPU: Intel PCIe: Intel Data Center GPU Flex 140 NVIDIA PCIe: L4,A2
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays	4x 3.5" hot-swap NVMe/SATA/SAS drive bays (4x 3.5" NVMe hybrid)(Storage drives require additional cables from the optional parts list.) 2x PCIe 5.0 x4 (*VROC is required) M-Key, 2280
Expansion Slots	2 PCIe 5.0 x16 FHHL slot(s)
On-Board Devices	NVMe: NVMe; RAID 0/1/5/10 support (*VROC is required) SATA: SATA3 (6Gbps) via Intel® C741; RAID 0/1/5/10 support Chipset: Intel® C741 Network Connectivity: with Advanced IO Module, AIOM (OCP 3.0 NIC, refer to AIOM Network Card(s) under Optional Parts List for options) Note: High TDP 200-400G NICs have support conditions due to thermal requirements. 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) Serial Port: 1 COM Port(s) (1 rear)



<sup>1</sup> NVMe device populated in drive bay #0 is limited to PCIe 4.0 with four UPI processors  
<sup>2</sup> Drives require corresponding data cable(s) from the optional parts list



ORF

System Cooling	Fans: 6x 4cm heavy duty fans with optimal fan speed control Air Shroud: 2 Air Shroud(s)
Power Supply	2x 860W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	Redfish API; SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); 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 CPU: Monitors for CPU Cores, Chipset Voltages, Memory. 8 Phase-switching voltage regulator
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	<a href="#">Super X13DDW-A</a>
Chassis	CSE-LA15TS-R0AWNP2

## Parts List

### Standard Parts (Parts Included)

<b>Motherboard / Chassis</b>			
Part Number	MBD-X13DDW-A	CSE-LA15TS-ROAWNFP2	
Qty	1	1	
Description	Super X13DDW-A Motherboard	1U Chassis	
<b>Backplane</b>			
Part Number	BPN-NVME5-LA15-S4		
Qty	1		
Description	1U 4-Slot 3.5		
<b>Fan</b>			
Part Number	FAN-0163L4		
Qty	6		
Description	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan		
<b>Parts</b>			
Part Number	MCP-150-00015-0B	MCP-160-00028-0B	MCP-320-00067-0B
Qty	4	1	1
Description	Rubber pad, 3.0mm H, 10x10mm	Mylar Cable Channel for Cloud-DC, X12 DDW	Chassis base Air Foam block set (L+R) for Cloud-DC
<b>Front Panel</b>			
Part Number	MCP-280-00033-0N	FPB-FP815U	
Qty	1	1	
Description	Universal Thermal sensor kit with 80cm I2C cable	815 UID front control board (U)	
<b>Air Shroud</b>			
Part Number	MCP-310-00105-0B		
Qty	2		
Description	Mylar Air Shroud for LA15-AW, LB13-AW, LB15-AW + X12 DDW		
<b>Manual</b>			
Part Number	MNL-2528-QRG		
Qty	1		
Description	611C-FN4R Quick Reference Guide		
<b>Power Supply</b>			
Part Number	PWS-861A-1R	MCP-250-81502-0N	
Qty	2	1	
Description	1U redundant 800/860W Titanium AC power supply 54.5x40x52mm	SC815 Redundant Power Distributor Cover	
<b>Riser Card</b>			
Part Number	RSC-D-6G5	RSC-OR-6G5	
Qty	1	1	
Description	1U LHS DCO Riser card with one PCIe 5.0 X16 slot, HF, RoH	1U RHS DCO Riser card with one PCIe 5.0 X16 slot, HF, RoH	
<b>Software</b>			
Part Number	SFT-O0B-LIC		
Qty	1		
Description	License key for enabling OOB BIOS management		
<b>Heatsink / Retention</b>			
Part Number	SNK-P0087P		
Qty	2		
Description	1U Passive CPU HS for X13 Intel Eagle Stream Platform		
<b>* Power Distributor</b>			
Part Number	PDB-PT116-SL8824		
Qty	1		
Description	Based on PDB-PT116-SL8824 to optimize 24Pin etc cable lengths		
<b>* Cable</b>			
Part Number	CBL-CDAT-0680-55	CBL-PWCD-0160-1S	
Qty	1	2	
Description	NC51, 2x10F to 2x10F IDC, PH2.54, 55cm, shield, 28AWG, RoHS	PWCD, US, NEMAS-15P TO IEC60320 C13, 6FT, 16AWG, RoHS/REACH	
<b>* Drive Tray(s)</b>			
Part Number	MCP-220-00184-0B		
Qty	4		
Description	Black gen-9 tool-less cost-effective 3.5		
<b>* Rear Window</b>			
Part Number	MCP-240-00173-0N		
Qty	1		
Description	1U X12 AWIO Rear window for LA15, LB16, LB13 Redundant PWS		
<b>* Rail Set</b>			
Part Number	MCP-290-00016-0N	MCP-290-00054-0N	
Qty	1	1set	
Description	1U open rack bracket set for CSE-PT511, MCP-290-00054-0N	Rail set, quick/quick, optional for 1U 17.2	
<b>* Fan Holder</b>			
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:

- Parts with \* are inside the chassis
- 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

<b>3108/3908/3916 SuperCap Mount</b>				
Part Number	MCP-240-21747-0N	MCP-240-00127-0N	MCP-240-00203-0N	
Qty	1	1	1	
Description	SuperCap mounting card for AIOM location	SuperCap mounting tray for 2.5" drive location	SuperCap mounting bracket for PCIe location	
<b>3808 HBA Card</b>				
Part Number	CBL-SAST-1275A-100	<a href="#">AOC-S3808L-L8IT</a> <a href="#">(/products/accessories/addon/AOC-S3816L-L16IT_S3808L-L8IT.php)</a>		
Qty	1	1		
Description	Slimline x8 (STR) to 4x SATA, 75/75/90/90CM, 75CM SB	Standard LP, 8 internal ports (12Gb/s) Gen-4, 16HDD; HBA;		
<b>3908 RAID Card</b>				
Part Number	CBL-SAST-1275A-100	<a href="#">AOC-S3908L-H8IR-16DD</a> <a href="#">(/products/accessories/addon/AOC-S3908L-H8IR_S3916L-H16IR.php)</a>		
Qty	1	1		
Description	Slimline x8 (STR) to 4x SATA, 75/75/90/90CM, 75CM SB	Standard LP, 8 internal ports (12Gb/s) Gen-4, 12HDD; RAID 0, 1, 5, 6, 10, 50, 60;		
<b>3908/3916 CacheVault</b>				
Part Number	BTR-CVPM05			
Qty	1			
Description	CacheVault for Broadcom 3908/3916 (requires a SuperCap mount)			
<b>Add-on card for additional M.2</b>				
Part Number	AOC-SL-G4-2H8M2			
Qty	-			
Description	Low Profile PCIe x8 add-on card supports 2 PCIe 4.0 x4 M-Key M.2 NVMe/SATA Modules; RAID 0,1			
<b>AIOM Network Card(s)</b>				
Part Number	<a href="#">AOC-AG-i4SM</a> <a href="#">(/products/accessories/addon/AOC-AG-i4S.php)</a>	AOC-ATG-i2TM	<a href="#">AOC-AG-i4M</a> <a href="#">(/products/accessories/addon/AOC-AG-i4.php)</a>	AOC-ATG-i2TM
	AOC-A25G-i2SM	AOC-A25G-i4SM	AOC-ATG-i4SM	AOC-A25G-m2SM
	<a href="#">AOC-ATG-i2TM</a> <a href="#">(/products/accessories/addon/AOC-ATG-i2T.php)</a>	<a href="#">AOC-A25G-b2SM</a> <a href="#">(/products/accessories/addon/AOC-A25G-b2S.php)</a>	<a href="#">AOC-ATG-i2T2SM</a> <a href="#">(/products/accessories/addon/AOC-ATG-i2T2SM.php)</a>	<a href="#">AOC-A100G-b2CM</a> <a href="#">(/products/accessories/addon/AOC-A100G-b2CM.php)</a>
Qty	-	-	-	-
	-	-	-	-
Description	OCF 3.0 AIOM NIC, 4x 1GbE SFP, PCIe 2.1 x4, Intel® I350-AM4	OCF 3.0 AIOM NIC, 2x 10GbE RJ45, PCIe 3.0 x4, Intel® X710-AT2	OCF 3.0 AIOM NIC, 4x 1GbE RJ45, PCIe 2.1 x4, Intel® I350-AM4 BCM57416	OCF 3.0 AIOM NIC, 2x 10GbE RJ45, PCIe 2.1 x4, Intel® I350-AM2 BCM57416
	OCF 3.0 AIOM NIC, 2x 25GbE SFP28, PCIe x8, Intel® E810-XXVAM2	OCF 3.0 AIOM NIC, 4x 25GbE SFP28, PCIe x8, Intel® E810-CAM1	OCF 3.0 AIOM NIC, 4x 10GbE SFP+, PCIe 3.0 x8, Intel® XL710-BM1	OCF 3.0 AIOM NIC, 2x 25GbE SFP28, PCIe x8, Mellanox® CX-6 LX x8/x4, Mellanox® CX4 LX EN & Intel® X550-AT2, (Add 1 MCP-310-00107-0B per card to support this NIC)
	OCF 3.0 AIOM NIC, 2x 10GbE RJ45, PCIe 3.0 x4, Intel® X550-AT2	OCF 3.0 AIOM NIC, 2x 25GbE SFP28, PCIe x8, Broadcom® BCM57414	OCF 3.0 AIOM NIC, 4x 10GbE RJ45 & SFP+, PCIe x8, Intel® X710-TM4	OCF 3.0 AIOM NIC, 2x 100GbE QSFP28, PCIe 4.0 x16, Broadcom® BCM57508
<b>Cable Management Arm</b>				
Part Number	MCP-290-00152-0N eStore <a href="https://store.supermicro.com/1u-cable-management-arm-mcp-290-00152-0n.html">https://store.supermicro.com/1u-cable-management-arm-mcp-290-00152-0n.html</a>			
Qty	1			
Description	1U Supermicro Cable Management Arm 2nd Gen			
<b>Fixed 2.5" Drive Kit</b>				

Part Number	MCP-220-81511-0N	CBL-0234L-@Store ( <a href="https://store.supermicro.com/supermicro-15cm-4-pin-peripheral-to-2x4-pin-peripheral-connector-cable-cbl-0234l.html">https://store.supermicro.com/supermicro-15cm-4-pin-peripheral-to-2x4-pin-peripheral-connector-cable-cbl-0234l.html</a> )	CBL-0211L-@Store ( <a href="https://store.supermicro.com/supermicro-4-pin-peripheral-connector-to-3x-sata-power-extension-13x21-34cm-cable-cbl-0211l.html">https://store.supermicro.com/supermicro-4-pin-peripheral-connector-to-3x-sata-power-extension-13x21-34cm-cable-cbl-0211l.html</a> )	CBL-SAST-1295LP-100
Qty	2	1	1	1
Description	FDD-size tray support for 1x 2.5" 7mm drive	Y split power cable for big 4 pin	4PIN-TO-3X SATA POWER CABLE	SlimlineLP x4 (STR) to 4x SATA (STR),75/75/90/90/75CM
<b>Intel VROC Key</b>				
Part Number	AOC-VROCSTNMOD ( <a href="https://products/accessories/addon/AOC-VROCxxxMOD.php">/products/accessories/addon/AOC-VROCxxxMOD.php</a> )-@Store ( <a href="https://store.supermicro.com/supermicro-vroc-standard-module-1.html">https://store.supermicro.com/supermicro-vroc-standard-module-1.html</a> )	AOC-VROCPREMMOD ( <a href="https://products/accessories/addon/AOC-VROCxxxMOD.php">/products/accessories/addon/AOC-VROCxxxMOD.php</a> )-@Store ( <a href="https://store.supermicro.com/supermicro-vroc-premium-module.html">https://store.supermicro.com/supermicro-vroc-premium-module.html</a> )	AOC-VROCIINTMOD ( <a href="https://products/accessories/addon/AOC-VROCxxxMOD.php">/products/accessories/addon/AOC-VROCxxxMOD.php</a> )	
Qty	1	1	1	
Description	Intel VROC Standard, RAID 0, 1, 10	Intel VROC Premium, RAID 0, 1, 5, 10	Intel VROC, RAID 0, 1, 5, 10 (Intel SSD Only)	
<b>NC-SI Cable</b>				
Part Number	CBL-PWEX-1099-34			
Qty	1			
Description	FLATJDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NC51,0.5A,35CM			
<b>NVMe Cables</b>				
Part Number	CBL-MCIO-1228QQM5F-B			
Qty	4			
Description	MCIO x4 (STR to STR),28CM,FFC, 30AWG,85OHM,RoHS			
<b>Power Supply Upgrade</b>				
Part Number	PWS-1K27A-1R-@Store ( <a href="https://store.supermicro.com/1000w-1200w-1u-pws-1k27a-1r.html">https://store.supermicro.com/1000w-1200w-1u-pws-1k27a-1r.html</a> )			
Qty	2			
Description	1200W Redundant Titanium Power Supply			
<b>SATA Cables</b>				
Part Number	CBL-SAST-1295LP-100			
Qty	1			
Description	SlimlineLP x4 (STR) to 4x SATA (STR),75/75/90/90/75CM			
<b>Software</b>				
Part Number	SFT-DCMS-Single	SFT-SDDC-SINGLE		
Qty	1	1		
Description	Supermicro System Management Software License	Supermicro Data Center Monitor License		
<b>TPM security module</b>				
Part Number	ADM-TPM-9670V	ADM-TPM-9672V-FIPS	ADM-TPM-9672V	ADM-TPM-9670V-S-FIPS
Qty	1	1	1	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller; vertical form factor	SPI capable TPM 2.0 with Infineon 9672 controller w/ FIPS; vertical form factor	SPI capable TPM 2.0 with Infineon 9672 controller; vertical form factor	SPI capable TPM 2.0 with Infineon 9670 controller w/ FIPS; vertical form factor

[Global SKU \(/en/products/SMC\\_global\\_skus\)](https://en/products/SMC_global_skus)