

## **CloudDC SuperServer SYS-121C-TN2R**



## **Key Applications**

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

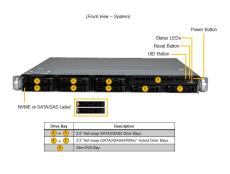
## **Key Features**

- Dual sockets E (LGA-4677) 5th and 4th Gen Intel® Xeon® Scalable processors;
- 16 DIMMs up to 4TB 3DS ECC DDR5-5600: RDIMM;
- 2 PCle 5.0 x16 FHHL; 2 PCle 5.0 x4 NVMe M.2;
- Dual AIOM (OCP 3.0) slots with NCSI for networking, 1 dedicated IPMI LAN;
- 8x 2.5" hot-swap SATA/SAS4 w/ 2x hybrid NVME drive bays;
- 1 VGA, 1 COM, 2 USB 3.0 (rear);



Form Factor	1U Rackmount
	Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")
	Package: 605 x 197 x 822mm (23.8" x 7.8" x 32.4")
6	D. 10. 1 (5/10) (677)
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: A2,L4
System Memory	Slot Count: 16 DIMM slots
System Memory	
	Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays	8x 2.5" hot-swap NVMe/SATA/SAS drive bays (2x 2.5" NVMe hybrid)(Storage drives require additional cables from
Drive Days	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)
on board bevices	SATA: SATA3 (6Gbps) via Intel <sup>®</sup> 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
	IPMI 2.0 with virtual media over Lan and KvM-over-Lan support
Input / Output	LAN: 1 Dedicated IPMI LAN port
	1100, 21100, 20,
	USB: 2 USB 3.0 port(s) (2 rear)
	Video: 1 VGA port(s)





Redundant 880W1200W
um/filanium Level Power Supplies
VGA Port
2USB 30 Ports

Stot Description

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SYS-121C-TN2R

<sup>1</sup> Drives require corresponding data cable(s) from the optional parts list

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: 23.5" (597 mm)
	Gross Weight: 40 lbs (18.1 kg)
	Net Weight: 25 lbs (11.3 kg)
	Packaging: 7.8" (H) x 23.8" (W) x 32.4" (D)
	Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
abarasii 8 Environment	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 X13DDW-A
Chassis	CSE-LB13TS-R0AWNP2

## Parts List

AIOM Network Card(s)

Standard Parts (Parts Included) Motherboard / Chassis Part Number MBD-X13DDW-A CSE-LB13TS-R0AWNP2 Qty Description Super X13DDW-A Motherboard 1U Chassis Backplane BPN-SAS4-LB13A-N2 Part Number 1U 8-Slot 2.5 Description Fan Part Number FAN-0163L4 Oty Description 40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan Parts Part Number MCP-150-00015-0B MCP-160-00028-0B MCP-320-00067-0B Qty 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 Front Panel Part Number MCP-280-00033-0N FPB-FP112 Description Universal Thermal sensor kit with 80cm I2C cable Front control board for SC113,113M (U/C share Air Shroud Part Number MCP-310-00105-0B Qty Description Mylar Air Shroud for LA15-AW,LB13-AW,LB16-AW + Manual Part Number MNL-2523-QRG 121C-TN2R Quick Reference Guide Description Power Supply Part Number MCP-250-00009-0N PWS-861A-1R Qty Description 1U redundant 800/860W Titanium AC power supply 54.5x40x322mm SC113 Redundant Power Distributor Cover Riser Card Part Number RSC-D-6G5 RSC-DR-6G5 Qty Description 1U LHS DCO Riser card with one PIC-E 5.0 X16 1U RHS DCO Riser card with one PCIe 5.0 X16 slot, HF, Ro Software Part Number SFT-OOB-LIC Qty Description License key for enabling OOB BIOS management Heatsink / Retention Part Number SNK-P0087P Qty Description 1U Passive CPU HS for X13 Intel Eagle Stream Platform \*Power Distributor Part Number PDB-PT116-SL8824 Description Based on PDB-PT116-L8824 to optimize 24Pin etc cable \*Cable Part Number CBL-CDAT-0680-55 CBL-PWCD-0160-IS Qty Description PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH 2x10F,IDC,PH2.54,55cm,shield,28AWG,RoHS \*Drive Tray(s) Part Number MCP-220-00188-0B Description Black gen-5.5 tool-less cost-effective 2.5 \*Rear Window Part Number MCP-240-00173-0N Otv Description 1U X12 AWIO Rear window for LA15,LB16,LB13 Redundant PWS \*Rail Set Part Number MCP-290-00016-0N MCP-290-00063-0N MCP-290-00102-0N MCP-290-00108-0N MCP-290-00112-0N Qty 1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N Rail set, quick/quick, default for 1U 17.2"W for Outer rail, quick-release type, 25.6 Inner rail, front, short, quick-release type Inner rail, extension, long (quick) for 1U 17.2W chassis Description \*Fan Holde Part Numbe MCP-320-00056-0B MCP-320-00066-0B MCP-340-00035-0B 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 Description 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. 3108/3908/3916 SuperCap Mount Part Number MCP-240-00203-0N MCP-240-21747-0N MCP-240-00127-0N Qty Description SuperCap mounting bracket for PCIe location SuperCap mounting card for AIOM location SuperCap mounting tray for 2.5" drive location 3808 HBA Card AOC-\$3808L-L8IT CBL-SAST-1276F-100 **@Store** (https://store.supermicro.com/supermicro. Part Number L16iT S3808L-L8iT.php) slimline-x8-to-2x-slimline-x4-76cm-cablecbl-sast-1276f-100.html) Qty Standard LP, 8 internal ports (12Gb/s) Gen-4, 16HDD; HBA; Slimline x8 (LE) to 2x Slimline x4 (STR),76/76CM , Alternative: CBL-SAST-1264F-100 (64 CM) Description 3908 RAID Card CBL-SAST-1276F-100 •@Store Part Number AOC-S3908L-H8[R-16DD (https://store.supermicro.com/supermicro- (/products/accessories/addon/AOC-S3908Lslimline-x8-to-2x-slimline-x4-76cm-cable-cbl-sast-1276f-100.html) H8IR S3916L-H16IR.php) Qty Description Slimline x8 (LE) to 2x Slimline x4 (STR),76/76CM , Alternative: CBL-SAST-1264F-100 (64 CM) Standard LP, 8 internal ports (12Gb/s) Gen-4, 122HDD; RAID 0, 1, 5, 6, 10, 50, 60; 3908/3916 CacheVault BTR-CVPM05 Qty CacheVault for Broadcom 3908/3916 (requires a Description SuperCap mount) Add-on card for additional M.2 AOC-SLG4-2H8M2 Part Number Description Low Profile PCIe x8 add-on card supports 2 PCIe 4.0 x4 M-Key M.2 NVMe/SATA Modules; RAID 0,1

Part Number	AOC-AG-i4SM (/products/accessories/addon/AOC-AG- i4S.php.) AOC-A25G-m2SM AOC-ATG-b2TM	AOC-AG-i4M (/products/accessories/addon/AOC-AG- i4,php.) AOC-AH25G-m2S2TM (/products/accessories/addon/AOC-AH25G- m2S2TM.php.) AOC-ATG-i2T25M (/products/accessories/addon/AOC-ATG-	AOC-A25G-I4SM  AOC-ATGC-I2TM  AOC-A100G-b2CM {/products/accessories/addon/AOC-A100G-	AOC-AG-i2M [/products/accessories/addon/AOC-AG- i2.php.] AOC-ATG-i2TM [/products/accessories/addon/AOC-ATG- i2T.php.] AOC-A25G-i2SM	AOC-A25G-b2SM //products/accessories/addon/AOC-A25G- b2S.php.) AOC-ATG-12SM
		i2T2SM.php)	b2CM.php)		
Qty	-	-	-	-	-
Description	- OCP 3.0 AIOM NIC, 4x 1GbE SFP, PCIe 2.1 x4, Intel <sup>®</sup> i350- AM4 OCP 3.0 AIOM NIC, 2x 25GbE SFP28, PCIe x8, Mellanox <sup>a</sup> CX-6 LX	i350-AM4	- OCP 3.0 AIOM NIC, 4x 25GbE SFP28, PCle x8, Intel® E810-CAM1 OCP 3.0 AIOM NIC, 2x 10GbE RJ45, PCle 3.0 x4, Intel® X710-AT2	- OCP 3.0 AIOM NIC, 2x 1GbE RJ45, PCIe 2.1 x4, Intel <sup>®</sup> i350-AM2 OCP 3.0 AIOM NIC, 2x 1GGbE RJ45, PCIe 3.0 x4, Intel <sup>®</sup> X350-AT2	- OCP 3.0 AIOM NIC, 4x 10GbE SFP+, PCIe 3.0 x8, Intel <sup>®</sup> XL710-BM1 OCP 3.0 AIOM NIC, 2x 25GbE SFP28, PCIe x8, Broadcom® BCM57414
	OCP 3.0 AlOM NIC, 2x 10GbE RJ45, PCle 3.0 x4, Broadcom® BCM57416	OCP 3.0 AIOM NIC, 4x 10GbE RJ45 & SFP+, PCle x8, Intel® X710-TM4	OCP 3.0 AIOM NIC, 2x 100GbE QSFP28, PCle 4.0 x16, Broadcom® BCM57508	OCP 3.0 AIOM NIC, 2x 25GbE SFP28, PCle x8,Intel® E810-XXVAM2	OCP 3.0 AlOM NIC, 2x 10GbE SFP+, PCle 3.0 x8, Intel® X710-BM2
Cable Management Arm Part Number	MCP-290-00152-0N • Estore (https://store.supermicro.com/1u-cable- management-arm-mcp-290-00152-0n.html)				
Qty Description	1 1U Supermicro Cable Management Arm 2nd Gen				
DVD Reader Part Number	CBI-0234L #Store (https://store.supermicro.com/supermicro- 15cm-4-pin-peripheral-to-2x-4-pin- peripheral-connector-cable-cbi-0234Lhtml)	DVM-TEAC-DVDRW-SBT5	CBL-SAST-1295LP-100	CBL-0161L	MCP-220-81502-0N <b>4°Store</b> (https://store.supermicro.com/dvd- mounting-kit-mcp-220-81502-0n.html)
Qty	1 Big-4-pin M Y-split to two Big-4-pin F	1 BLACK TEAC SLIM DVD-RW SATA DR <b>I</b> VE	1 SlimlineLP x4 (STR) to 4x SATA (STR),75/75/90/90/75CM	1 15 cm naver V colit to 2v cmall 4 pins	1 Slim SATA DVD mounting kit. Add 1 per DVD
Description Front USB Kit Part Number	MCP-220-00087-0B #2Store (https://store.su.permicro.com/mcp-220-00087-0b.html)	DUACH TEAC SLIM DVD-RW SATA DRIVE	SimilineLP x4 (STK) t0 4x SATA (STK), 15/15/20/30// 15-tim	13 Cm power Espirit o 28 Shaii 4-pins	Silm SALA UVU mounting kit. Add 1 per UVD
Qty	1				
Description	Black USB tray for slim DVD bay				
Intel VROC Key Part Number	AOC-VROCSTNMOD (/products/accessories/addon/AOC- VROCxxxMOD.php).estore (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)	AOC-VROCPREMOD (/products/accessories/addon/AOC- VROCxxxMOD.php) estore (https://store.supermicro.com/supermicro- vroc-premium-module.html)	AOC-VROCINTMOD (/products/accessories/addon/AOC- VROCxxxMOD.php).		
Intel VROC Key	AOC-VROCSTNMOD (/products/accessories/addon/AOC- VROCxxxMOD.php), estore (https://store.supermicro.com/supermicro-	(/products/accessories/addon/AOC- VROCxxxMOD.php) •eStore (https://store.supermicro.com/supermicro-	(/products/accessories/addon/AOC-		
Intel VROC Key Part Number  Qty Description NC-SI Cable Part Number	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php).estore (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Intel VROC Key Part Number  Qty Description NC-SI Cable	AOC-VROCSTNMOD (/products/accessories/addon/AOC- VROCxxxMOD.php), eStore (https://store.supermicro.com/supermicro- vroc-standard-module-1.html) 1 Intel VROC Standard, RAD 0, 1, 10	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NC-SI Cable Part Number Qty Description NC-SI Cable Part Number Qty Description NVMC Cables Part Number	AOC-VROCSTNMOD  //products/accessories/addon/AOC- VROCxxxMOD.phpl, estore (https://store.supermicro.com/supermicro- vroc-standard-module-l.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBIPWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCSI,0.5A,35CM  CBIMCIO-1235M5Y eStore (https://store.supermicro.com/mcio-x8-to-2-x4-str-35cm-30awg-rohs.html)	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Intel VROC Key Part Number  Qty Description NC-SI Cable Part Number Qty Description  NVMe Cables Part Number Qty Qty	AOC-VROCSTNMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php).e?store (Ihttps://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBI-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCSI,0.5A,35CM  CBI-MCIO-1235MSY.eStore (Ihttps://store.supermicro.com/mcio-x8-to-2-x4-t-35cm-30awg-rohs.html)  1	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NVMe Cables Part Number  Oty Description  Oty Description  Oty Description  Oty Description  Oty Description  Oty Description  Power Supply Upgrade Part Number	AOC-VROCSTNMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php), estore (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCS1,0.5A,35CM  CBL-MCIO-1235MSY eStore (https://store.supermicro.com/mcio-x8-to- 2-x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R eStore (https://store.supermicro.com/1000w- 10-pws-1k27a-1r.html)	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NC-SI Cable Part Number Qty Description NC-SI Cable Part Number Qty Description NVMe Cables Part Number Qty Oty Obscription Power Supply Upgrade	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php), e*Store (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27, NCSI,0.5A, 35CM  CBL-MCIO-1235MSY e*Store (https://store.supermicro.com/mcio-x8-to- 2-x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R e*Store (https://store.supermicro.com/1000w-	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NVMe Cables Part Number  NVMe Cables Part Number  Qty Description  NVMe Subjest Part Number  Qty Description  Qty Description  Qty Description  Qty Description  Qty Description  Qty Description  Qty Qty	AOC-VROCSTIMOD  (/products/accessories/addon/AOC-VROCxxxMOD.php).e?store (Intps://store.supermicro.com/supermicro-vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCS].0.5A,35CM  CBL-MCIO-1235MSY.e?Store (Intps://store.supermicro.com/mcio-x8-to-2x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R.e?Store (Intps://store.supermicro.com/1000w-1200w-1u-pws-1k27a-1r.html)  2	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NVMe Cables Part Number  Qty Description NVMe Cables Part Number  Qty Description Power Supply Upgrade Part Number  Qty Description Power Supply Upgrade Part Number	AOC-VROCSTIMOD  (/products/accessories/addon/AOC-VROCxxxMOD.php), estore (https://store.supermicro.com/supermicro-vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCSI,0.5A,35CM  CBL-MCIO-1235MSY eStore (https://store.supermicro.com/mcio-x8-to-2-x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R eStore (https://store.supermicro.com/1000w-1200w-1u-pws-1k27a-1r.html)  2 1200W-Redundant Titanium Power Supply	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description NVMe Cables Part Number  NVMe Cables Part Number  Qty Description  NVMe Cables Part Number  Qty Description  Qty Description  Qty Description  ANA Cables Part Number	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php), e*Store (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27, NCSI,0.5A, 35CM  CBL-MCIO-1235MSY e*Store (https://store.supermicro.com/mcio-x8-to- 2-x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R -e*Store (https://store.supermicro.com/1000w- 1200w-1u-pws-1k27a-1r.html)  2 1200W Redundant Titanium Power Supply  CBL-SAST-1274LP-100  1	(/products/accessories/addon/AOC- YROCxxxMOD.php)	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description  NVMe Cables Part Number  NVMe Cables Part Number  Qty Description  Oty Description  Qty Description  Qty Description  And Cables Part Number  Qty Description  Other Supply Upgrade Part Number  Qty Description  SATA Cables Part Number  Qty Description  SATA Cables Part Number  Qty Description  Software	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php).e?Store (https://store.supermicro.com/supermicro- vroc-standard-module-l.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBI-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCSI,0.5A,35CM  CBI-MCIO-1235M5Y.e?Store (https://store.supermicro.com/mcio-x8-to- 2-x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R.e?Store (https://store.supermicro.com/1000w- 1200w-1u-pws-1k27a-1r.html)  2 1200W Redundant Titanium Power Supply  CBI-SAST-1274LP-100  1 SlimlineLP x8 (LE) to 2x Slimline x4 (STR),68/76CM	(/products/accessories/addon/AOC- VROCxxxMOD.php), eStore (https://store.upermicro.com/supermicro- vroc-premium-module.html) 1 Intel VROC Premium, RAID 0, 1, 5, 10	//products/accessories/addon/AOC- VROCxxxMOD.php).		
Oty Description  NC-SI Cable Part Number  Oty Description  NVMe Cables Part Number  Oty Description  Power Supply Upgrade Part Number  Qty Description  SATA Cables Part Number  Qty Description  SATA Cables Part Number  Qty Description  TM Security module Part Number  Oty Description	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php), e*Store (https://store.supermicro.com/supermicro- vroc-standard-module-1.html)  1	(/products/accessories/addon/AOC- VROCxxMOD,php), eStore (https://store.supermicro.com/supermicro- vroc-premium-module.html) 1 Intel VROC Premium, RAID 0, 1, 5, 10  SFT-SDDC-SINGLE 1 Supermicro Data Center Monitor License  AOM-TPM-9670V	//products/accessories/addon/AOC-VROCxxxMOD.php).  1 Intel VROC, RAID 0, 1, 5, 10 (Intel SSD Only)  AOM-TPM-9672V	AOM-TPM-9670V-S-FIPS	
Intel VROC Key Part Number  Qty Description  NC-SI Cable Part Number  Qty Description  Power Supply Upgrade Part Number  Qty Description  SATA Cables Part Number  Qty Description  SATA Cables Part Number  Qty Description  SATA Cables Part Number  Qty Description  Software Part Number  Qty Description  Software Part Number  Qty Description  Description  Software Part Number  Qty Description  Description  TPM security module	AOC-VROCSTIMOD  (/products/accessories/addon/AOC- VROCxxxMOD.php) e*Store (https://store.supermicro.com/supermicro- vroc-standard-module-l.html)  1 Intel VROC Standard, RAID 0, 1, 10  CBL-PWEX-1099-34  1 FLAT,IDC 2X11F/P1.27 TO IDC 2X11F/P1.27,NCSI,0.5A,35CM  CBL-MCIO-1235MSY e*Store (https://store.supermicro.com/mcio-x8-to- 2x4-str-35cm-30awg-rohs.html)  1 MCIO x8 STR to MCIO 2 x4 STR,35CM  PWS-1K27A-1R e*Store (https://store.supermicro.com/1000w- 1200w-1u-pws-1k27a-1r.html) 2 1200W Redundant Titanium Power Supply  CBL-SAST-1274LP-100 1 SlimilineLP x8 (LE) to 2x Slimiline x4 (STR),68/76CM  SFT-DCMS-Single 1 Supermicro System Managment Software License	(/products/accessories/addon/AOC- VROCxxxMOD.php), eStore (https://store.upermicro.com/supermicro- vroc-premium-module.html) 1 Intel VROC Premium, RAID 0, 1, 5, 10  SFT-SDDC-SINGLE 1 Supermicro Data Center Monitor License	[/products/accessories/addon/AOC-VROCxxxMOD.php].  1 Intel VROC, RAID 0, 1, 5, 10 (Intel SSD Only)	AOM-TPM-9670V-S-FIPS  1  SPI capable TPM 2.0 with Infineon 9670 controller w/ FIPS, vertical form factor	

Global SKU (/en/products/SMC\_global\_skus)