

# SuperServer 1019D-14CN-RDN13TP+

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Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#) | [Tested M.2 List](#) | [Drive Options](#) | [Manuals](#) | [Quick-References Guide](#) | [OS Certification Matrix](#)

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.



[Super X11SDW-14CN-TP13F+](#)

## Key Applications

- Multi-Access Edge Computing (MEC)
- Centralized/Cloud Radio Access Network (C-RAN)
- Universal Customer Premise Equipment (uCPE)
- Software Defined WAN (SD-WAN)
- Network Function Virtualization (NFV)
- Artificial Intelligence (AI)

## Key Features

1. Intel® Xeon® D-2177NT Processor, 14-Core, 28 Threads, 1.9 GHz, 105W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2400Mz; in 4 DIMM slots
3. 2 PCI-E 3.0 x16 (FHFL) slots
4. 2 Internal 2.5" SSD bays
5. M.2: 1 M-Key, 2280/22110; 1 E-Key, 2230; 1 B-Key, 2242/3042
6. 9 GbE (1 port for management), 4x 10G SFP+, and 1 Dedicated IPMI LAN
7. 2 USB 3.0, 1 VGA, 1 COM via RJ45
8. 600W -48V DC input Redundant Power Supplies

## Specifications ^

Product SKUs		<b>SYS-1019D-14CN-RDN13TP+</b> SuperServer 1019D-14CN-RDN13TP+ (Black)
Motherboard		<a href="#">Super X11SDW-14CN-TP13F+</a>
Processor		<p><b>CPU</b> Intel® Xeon® processor D-2177NT Single Socket FCBGA-2518 supported, CPU TDP supports Up to 105W TDP</p> <p><b>Cores / Cache</b> 14 Cores, 28 Threads</p>
System Memory		<p><b>Memory Capacity</b> Up to 512GB DDR4 ECC LRDIMM Up to 256GB DDR4 ECC RDIMM 4 DIMM slots</p> <p><b>Memory Type</b> 2666/2400/2133MHz ECC DDR4 L/RDIMM Operating speed up to 2400MHz</p> <p><b>DIMM Sizes</b> 128GB, 64GB, 32GB, 16GB</p> <p><b>Memory Voltage</b> 1.2 V</p>
On-Board Devices		<p><b>Chipset</b> System on Chip (SoC)</p> <p><b>SATA</b> SATA3 (6Gbps) ports via SoC controller</p> <p><b>Network Controllers</b> Quad 10G SFP+ via SoC 8x 1GbE with Intel® I350-AM4 Single 1GbE with Intel® I210</p> <p><b>IPMI</b> ASPEED AST2500 Support for Intelligent Platform Management Interface v.2.0</p> <p><b>Video</b> VGA via Aspeed AST2500 BMC</p>
Input / Output		<p><b>SATA</b> 2 SATA3 (6Gbps) ports</p> <p><b>LAN</b> 9 RJ45 Gigabit Ethernet LAN ports 4 10G SFP+ LAN ports 1 RJ45 Dedicated IPMI LAN port</p> <p><b>USB</b> 2 USB 3.0 ports (front)</p> <p><b>Video</b> 1 VGA port</p> <p><b>Serial Port / Header</b> 1 COM via RJ45</p> <p><b>TPM</b> 1 TPM Header &amp; Chip both</p>
System BIOS		<b>BIOS Type</b> UEFI 256Mb
Management		<p><b>Software</b> Intel® Node Manager <a href="#">IPMI 2.0</a> NMI <a href="#">SUM</a> Watch Dog <a href="#">SuperDoctor® 5</a></p>
Chassis		<p><b>Form Factor</b> 1U Rackmount</p> <p><b>Model</b> <b>CSE-515M-R601</b></p>
Dimensions and Weight		<p><b>Height</b> 1.7" (43mm)</p> <p><b>Width</b> 17.2" (437mm)</p> <p><b>Depth</b> 15.7" (399mm)</p> <p><b>Package</b> 8" (H) x 27" (W) x 24" (D)</p> <p><b>Weight</b> Gross Weight: 28 lbs (12.7 kg) Net Weight: 18 lbs (8.16 kg)</p> <p><b>Available Colors</b> Black</p>
Front Panel		<p><b>Buttons</b> Power On/Off button System Reset button</p> <p><b>LEDs</b> Power LED Hard drive activity LED Network activity LEDs System Information LED</p>
Expansion Slots		<p><b>PCI-Express</b> 2 PCI-E 3.0 x16 (FHFL) slots</p> <p><b>M.2</b> 1 M.2 M-Key: 2280/22110 1 M.2 B-Key: 2242/3042 1 M.2 E-Key: 2230</p>
Drive Bays		<p><b>Internal</b> 2 Internal 2.5" drive bays</p>
System Cooling		<p><b>Fans</b> 5x 40x56mm Hot-swap Counter-rotation PWM Fans</p>
600W -48V DC input Redundant Power Supplies		<p><b>Total Output Power</b> 600W: -44Vdc to -65Vdc</p> <p><b>Dimension (W x H x L)</b> 54.5 x 40 x 220 mm</p> <p><b>DC Input</b> -44Vdc to -65Vdc / 18 - 10A</p> <p><b>+12V</b> Max: 50A / Min: 0A</p> <p><b>+5V sb</b> Max: 3A / Min: 0A</p> <p><b>Output Type</b> Gold Finger Connector Mating with Molex 45984-4343</p> <p><b>DC option for: (AC Counter- part)</b> PWS-406P-1R, PWS-407P-1R, PWS-606P-1R, PWS-608P-1R, PWS-804P-1R</p>
Operating Environment / Compliance		<p><b>RoHS</b> RoHS Compliant</p> <p><b>Environmental Spec.</b> Operating Temperature: 0°C to 45°C (32°F to 113°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>

## Parts List ^

Parts List - (Items Included)			
	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X11SDW-14CN-TP13F+	1	Super X11SDW-14CN-TP13F+ Motherboard
	CSE-515M-R601	1	1U Chassis
<b>Cable 1</b>	CBL-0473L	2	SATA,INT,ROUND,ST-ST,21CM,30AWG
<b>Cable 2</b>	CBL-CDAT-0850	1	CBL,VGA,DB15/F,w/Bracket TO 2X8F/P2.54,50CM,28/30AWG,RoHS
<b>FAN</b>	FAN-0207L4	2	40x40x56 mm, 13K-11K RPM, Counter-rotating, Hot-swappable Fan for SC515M Chassis
<b>Parts</b>	MCP-260-00153-0B	1	1U I/O Shield for X11SDW-14CN-TP13F+ with EMI Gasket, Black
<b>Air Shroud</b>	MCP-310-51504-0B	1	Mylar Air Shroud for SC515M + X11 SDW
<b>Riser Card</b>	RSC-R1UW-2E16	1	1U LHS WIO Riser card with two PCI-E x16 slots
<b>* Power Supply</b>	PWS-601D-1R	2	-48V DC input, 12V and 5Vsb 600W output for 1U redundancy
<b>* Power Distributor</b>	PDB-PT515M-2424	1	1U support redundancy up to 800W for SC515M chassis with ATX

### 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			
	Part Number	Qty	Description
<b>Rack Bracket</b>	MCP-290-00016-0N	-	1U open rack bracket set for CSE-PT51L, MCP-290-00054-0N
<b>Air Shroud</b>	MCP-310-51505-0B	1	Mylar Air Shroud for SC515M + T4 GPU
<b>Air Shroud</b>	MCP-310-51506-0B	1	Mylar Air Shroud for SC515M, FHFL AOC optimized

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