

# SuperServer 1019D-4C-RDN13TP+



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

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



## 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

- Intel® Xeon® D-2123IT Processor, 4-Core, 8 Threads, 2.2 GHz, 60W
- Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2400Mz; in 4 DIMM slots
- 2 PCI-E 3.0 x16 (FHFL) slots
- 2 Internal 2.5" SSD bays
- M.2: 1 M-Key, 2280/22110; 1 E-Key, 2230; 1 B-Key, 2242/3042
- 9 GbE (1 port for management), 4x 10G SFP+, and 1 Dedicated IPMI LAN
- 2 USB 3.0, 1 VGA, 1 COM via RJ45
- 600W -48V DC input Redundant Power Supplies

## Specifications ^

| Product SKUs                           |  |
|--|--|
| <b>SYS-1019D-4C-RDN13TP+</b>           | SuperServer 1019D-4C-RDN13TP+ (Black)  |
| Motherboard                            |  |
| <a href="#">Super X11SDW-4C-TP13F+</a> |  |
| Processor                              |  |
| <b>CPU</b>                             | Intel® Xeon® processor D-2123IT<br>Single Socket FCBGA-2518 supported, CPU TDP supports Up to 60W TDP                        |
| <b>Cores / Cache</b>                   | 4 Cores, 8 Threads   |
| System Memory                          |  |
| <b>Memory Capacity</b>                 | Up to 512GB DDR4 ECC LRDIMM<br>Up to 256GB DDR4 ECC RDIMM<br>4 DIMM slots  |
| <b>Memory Type</b>                     | 2666/2400/2133MHz ECC DDR4 L/RDIMM<br>Operating speed up to 2400MHz  |
| <b>DIMM Sizes</b>                      | 128GB, 64GB, 32GB, 16GB  |
| <b>Memory Voltage</b>                  | 1.2 V  |
| On-Board Devices                       |  |
| <b>Chipset</b>                         | System on Chip (SoC)   |
| <b>SATA</b>                            | SATA3 (6Gbps) ports via SoC controller   |
| <b>Network Controllers</b>             | Quad 10G SFP+ via SoC<br>8x 1GbE with Intel® I350-AM4<br>Single 1GbE with Intel® I210  |
| <b>IPMI</b>                            | ASPEED AST2500<br>Support for Intelligent Platform Management Interface v.2.0  |
| <b>Video</b>                           | VGA via Aspeed AST2500 BMC   |
| Input / Output                         |  |
| <b>SATA</b>                            | 2 SATA3 (6Gbps) ports  |
| <b>LAN</b>                             | 9 RJ45 Gigabit Ethernet LAN ports<br>4 10G SFP+ LAN ports<br>1 RJ45 Dedicated IPMI LAN port                                  |
| <b>USB</b>                             | 2 USB 3.0 ports (front)  |
| <b>Video</b>                           | 1 VGA port   |
| <b>Serial Port / Header</b>            | 1 COM via RJ45   |
| <b>TPM</b>                             | 1 TPM Header & Chip both   |
| System BIOS                            |  |
| <b>BIOS Type</b>                       | UEFI 256Mb   |
| Management                             |  |
| <b>Software</b>                        | Intel® Node Manager<br><a href="#">IPMI 2.0</a><br>NMI<br><a href="#">SUM</a><br>Watch Dog<br><a href="#">SuperDoctor® 5</a> |

| Chassis                                     |   |
|---|---|
| <b>Form Factor</b>                          | 1U Rackmount  |
| <b>Model</b>                                | <b>CSE-515M-R601</b>  |
| Dimensions and Weight                       |   |
| <b>Height</b>                               | 1.7" (43mm)   |
| <b>Width</b>                                | 17.2" (437mm)   |
| <b>Depth</b>                                | 15.7" (399mm)   |
| <b>Package</b>                              | 8" (H) x 27" (W) x 24" (D)  |
| <b>Weight</b>                               | Gross Weight: 28 lbs (12.7 kg)<br>Net Weight: 18 lbs (8.16 kg)  |
| <b>Available Colors</b>                     | Black   |
| Front Panel                                 |   |
| <b>Buttons</b>                              | Power On/Off button<br>System Reset button  |
| <b>LEDs</b>                                 | Power LED<br>Hard drive activity LED<br>Network activity LEDs<br>System Information LED   |
| Expansion Slots                             |   |
| <b>PCI-Express</b>                          | 2 PCI-E 3.0 x16 (FHFL) slots  |
| <b>M.2</b>                                  | 1 M.2 M-Key: 2280/22110<br>1 M.2 B-Key: 2242/3042<br>1 M.2 E-Key: 2230  |
| Drive Bays                                  |   |
| <b>Internal</b>                             | 2 Internal 2.5" drive bays  |
| System Cooling                              |   |
| <b>Fans</b>                                 | 5x 40x56mm Hot-swap Counter-rotation PWM Fans   |
| 600W -48V DC input Redundant Power Supplies |   |
| <b>Total Output Power</b>                   | 600W: -44Vdc to -65Vdc  |
| <b>Dimension (W x H x L)</b>                | 54.5 x 40 x 220 mm  |
| <b>DC Input</b>                             | -44Vdc to -65Vdc / 18 - 10A   |
| <b>+12V</b>                                 | Max: 50A / Min: 0A  |
| <b>+5V sb</b>                               | Max: 3A / Min: 0A   |
| <b>Output Type</b>                          | Gold Finger Connector Mating with Molex 45984-4343  |
| <b>DC option for: (AC Counter-part)</b>     | PWS-406P-1R, PWS-407P-1R, PWS-606P-1R, PWS-608P-1R, PWS-804P-1R   |
| Operating Environment / Compliance          |   |
| <b>RoHS</b>                                 | RoHS Compliant  |
| <b>Environmental Spec.</b>                  | Operating Temperature:<br>0°C to 45°C (32°F to 113°F)<br>Non-operating Temperature:<br>-40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity:<br>8% to 90% (non-condensing)<br>Non-operating Relative Humidity:<br>5% to 95% (non-condensing) |

## Parts List ^

| Parts List - (Items Included) |                      |     |  |
|-------------------------------|----------------------|-----|--|
|                               | Part Number          | Qty | Description  |
| <b>Motherboard / Chassis</b>  | MBD-X11SDW-4C-TP13F+ | 1   | Super X11SDW-4C-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:

- 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 |                  |     |  |
|---------------------|------------------|-----|--|
|                     | 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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