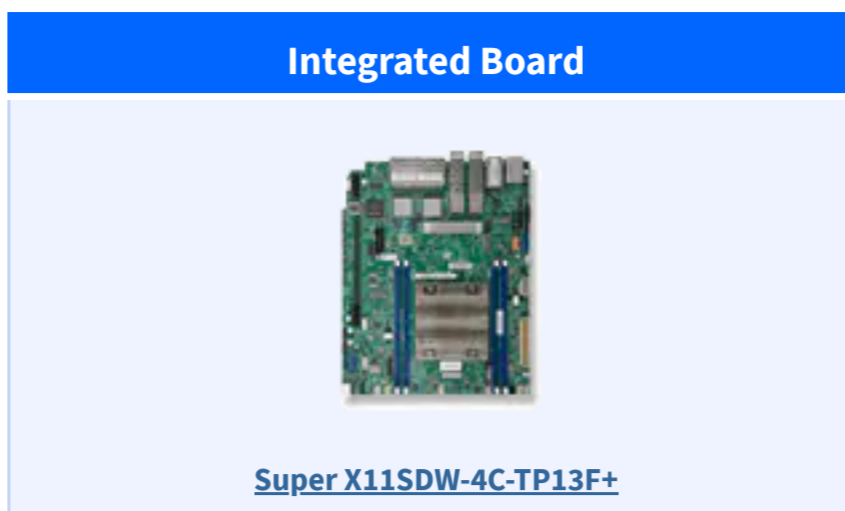


# SuperServer 1019D-4C-RAN13TP+



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



## 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-2123IT Processor, 4-Core, 8 Threads, 2.2 GHz, 60W
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. 800W Redundant Power Supplies **Platinum Level (94%+)**

[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.

## Specifications ^

### Product SKUs

<b>SYS-1019D-4C-RAN13TP+</b>	SuperServer 1019D-4C-RAN13TP+ (Black)
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### Motherboard

[Super X11SDW-4C-TP13F+](#)

### Processor

<b>CPU</b>	<b>Intel® Xeon® processor D-2123IT</b> 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 Up to 256GB DDR4 ECC RDIMM 4 DIMM slots
<b>Memory Type</b>	2666/2400/2133MHz ECC DDR4 L/RDIMM 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 8x 1GbE with Intel® I350-AM4 Single 1GbE with Intel® I210
<b>IPMI</b>	ASPEED AST2500 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 4 10G SFP+ LAN ports 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
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### Management

<b>Software</b>	Intel® Node Manager <a href="#">IPMI 2.0</a> NMI <a href="#">SUM</a> Watch Dog <a href="#">SuperDoctor® 5</a>
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### Chassis

<b>Form Factor</b>	1U Rackmount
<b>Model</b>	<b>CSE-515M-R804</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) Net Weight: 18 lbs (8.16 kg)
<b>Available Colors</b>	Black

### Front Panel

<b>Buttons</b>	Power On/Off button System Reset button
<b>LEDs</b>	Power LED Hard drive activity LED Network activity LEDs 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 1 M.2 B-Key: 2242/3042 1 M.2 E-Key: 2230

### Drive Bays

<b>Internal</b>	2 Internal 2.5" drive bays
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### System Cooling

<b>Fans</b>	5x 40x56mm Hot-swap Counter-rotation PWM Fans
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### Power Supply

800W AC power supply w/ PFC	
<b>AC Voltage</b>	100-240 V, 50-60 Hz
<b>+5V</b>	N/A
<b>+5V standby</b>	Max.: 4 Amp Min.: 0 Amp
<b>+12V</b>	Max: 62.5A & Min: 0.5A (100Vac-127Vac) Max: 66.6A & Min: 0.5A (200Vac-240Vac) Max: 66.6A & Min: 0.5A (230-240Vdc)
<b>-12V</b>	N/A
<b>+3.3V</b>	N/A
<b>Certification</b>	<b>Platinum Level Certified</b> <a href="#">[ Test Report ]</a>

### Operating Environment / Compliance

<b>RoHS</b>	RoHS Compliant
<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)

## 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-R804	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-804P-1R	2	1U 800W 100-240VAC/50-60Hz, and DC240V input
<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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