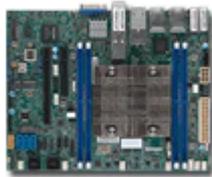


# SuperServer 5019D-4C-FN8TP



## Integrated Board



## X11SDV-4C-TP8F

[▶ Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#) ▶  
[Manuals](#) ▶ [Drive Options](#)

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

## Key Features

- ❑ Network Security Appliance
- ❑ SD-WAN, vCPE controller box
- ❑ NFV Edge Computing Server
- ❑ Virtualization Server
- ❑ IoT Edge Computing

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1. Intel® Xeon® processor D-2123IT, 4-Core, 8 Threads, 60W

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2. 1 Internal 3.5" or 4 Internal 2.5" drive bays

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3. 1 M.2 slot M key for SSD, 2242/80,  
1 M.2 B Key for SSD/ WAN card,  
1 Mini PCI-E with mSATA Support,  
1 PCI-E 3.0 x8 slot

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4. Up to 512GB ECC LRDIMM,  
up to 256GB ECC/non-ECC RDIMM  
DDR4-2666Mz; in 4 DIMM slots

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5. 4x 1GbE, 2x 10GBase-T, 2x 10G SFP+  
and 1 dedicated LAN for IPMI 2.0

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6. 1 VGA, 2 USB 3.0

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7. 3x 40x28mm 4-PIN PWM fans

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8. 200W Low-noise AC-DC power supply

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# Specifications

## Product SKUs

- SYS-5019D-4C-FN8TP** ■ SuperServer 5019D-4C-FN8TP (Black)

## Motherboard

### Super X11SDV-4C-TP8F

## Processor/Cache

- CPU** ■ Intel® Xeon® processor D-2123IT, CPU TDP support 60W

- Cores / Cache** ■ 4 Cores, 8 Threads

## System Memory

- Memory Capacity** ■ Up to 512GB DDR4 ECC LRDIMM  
■ Up to 256GB DDR4 ECC/non-ECC RDIMM  
■ 4 DIMM slots

- Memory Type** ■ 2666/2400/2133MHz ECC DDR4 ECC LRDIMM and ECC/Non-ECC RDIMM

- DIMM Sizes** ■ 128GB, 64GB, 32GB, 16GB

- Memory Voltage** ■ 1.2 V

- Error Detection** ■ Corrects single-bit errors  
■ Detects double-bit errors (using ECC memory)

## On-Board Devices

- SATA** ■ SATA3 (6Gbps) ports via SoC controller

- Network Controllers** ■ Dual 10G SFP+ via SoC  
■ Quad 1GbE w ith Intel I350-AM4  
■ Dual 10GBase-T w ith Intel X557

- IPMI** ■ Support for Intelligent Platform Management Interface v.2.0  
■ IPMI 2.0 w ith virtual media over LAN and KVM-over-LAN support

- Graphics** ■ Aspeed AST2500 BMC

## Input / Output

- SATA** ■ 4 SATA3 (6Gbps) ports (SATA/SAS HDD/SSD)

- LAN** ■ 2 10G SFP+ ports  
■ 4 RJ45 1GbE LAN ports  
■ 2 RJ45 10GBase-T LAN ports  
■ 1 RJ45 Dedicated IPMI LAN port

- USB** ■ 2 USB 3.0 ports (rear)

- VGA** ■ 1 VGA port

- Others** ■ TPM 2.0 header

## Chassis

- Form Factor** ■ 1U Rackmount

- Model** ■ **CSE-505-203B**

## Dimensions and Weight

- Height** ■ 1.7" (43mm) / 6.1" (155mm) - pkg.

- Width** ■ 17.2" (437mm) / 25.8" (655mm) - pkg.

- Depth** ■ 9.8" (249mm) / 18.3" (465mm) - pkg.

- Weight** ■ Net Weight: 8 lbs (3.63 kg)  
■ Gross Weight: 12 lbs (5.44 kg)

- Available Colors** ■ Black

## Front Panel

- Buttons** ■ Power On/Off button  
■ System Reset button

- LEDs** ■ Power LED  
■ Hard drive activity LED  
■ Network activity LEDs  
■ System Information LED  
■ Information LED (temp., status)

## Expansion Slots

- PCI-E** ■ 1 PCI-E 3.0 x8 slot  
■ 1 Mini-PCI-E w ith mSATA Support

- M.2** ■ 1 M.2 slot M key for SSD, 2242/80  
■ 1 M.2 B Key for SSD/ WAN card

## Drive Bays

- Internal** ■ 1 Internal 3.5" or 4 Internal 2.5" drive bays

## System Cooling

- Fans** ■ 3x 40x28mm 4-PIN PWM fans

## Power Supply

200W Low Noise AC-DC power supply w ith PFC

- AC Voltage** ■ 100 - 240V, 50-60Hz, 2.6 Amp Max

- +5V** ■ 8.0 Amp (max.)

- +5V standby** ■ 2.0 Amp (max.)

- +12V** ■ 16 Amp (max.)

- 12V** ■ 0.5 Amp (max.)

- +3.3V** ■ 8.0 Amp (max.)

## Certification



Gold Certified

## System BIOS

- BIOS Type** ■ 128Mb SPI Flash w ith AMI BIOS

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<b>BIOS Features</b>	<ul style="list-style-type: none"><li>■ PCI 3.0</li><li>■ ACPI 5.0</li><li>■ USB Keyboard support</li><li>■ Hardware BIOS Virus protection</li><li>■ SMBIOS 2.8</li><li>■ UEFI 2.4</li><li>■ RTC (Real Time Clock) Wakeup</li></ul>
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#### Operating Environment / Compliance

<b>RoHS</b>	<ul style="list-style-type: none"><li>■ RoHS Compliant</li></ul>
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<b>Environmental Spec.</b>	<ul style="list-style-type: none"><li>■ Operating Temperature: 10°C to 35°C (50°F to 95°F)</li><li>■ Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li><li>■ Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>■ Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul>
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# Parts List

## Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X11SDV-4C-TP8F	1	Super X11SDV-4C-TP8F Motherboard
	CSE-505-203B	1	1U Chassis
<b>Cable 1</b>	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
<b>Cable 2</b>	CBL-SAST-0538	2	SATA,INT,ROUND,ST-RA,29CM,30AWG
<b>FAN 1</b>	FAN-0065L4	3	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
<b>Drive Tray(s)</b>	MCP-220-00051-0N	2	Single 2.5
<b>Rear Window</b>	MCP-240-00091-0N	2	1U universal riser card bracket for standard chassis,HF,RoHS/REACH,PBF
<b>Parts</b>	MCP-260-00100-0B	1	1U I/O Shield
<b>Fan Holder</b>	MCP-320-81302-0B	3	Optional fan tray for one 40x28mm fan in SC813T/SC813LT-single PWS (Fan tray only)
<b>Riser Card</b>	RSC-RR1U-E8	1	RSC-RR1U-E8
<b>Power Supply</b>	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS
<b>Air Shroud</b>	MCP-310-50503-0B	1	Mylar air shroud for SC504/505 with X11SDV-16C-TP,RoHS/REACH

## Optional Parts List

	Part Number	Qty	Description
<b>HDD Bracket</b>	MCP-220-00044-0N	-	Retention Bracket for up to 2x 2.5" HDD
<b>SuperDOM</b>	-	-	Supermicro SATA DOM Solutions <a href="#">[Details]</a>