

# SuperServer 1019D-FRN8TP



**Super X11SDV-8C-TP8F**

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## Coming Soon

### Key Features

- Network Security Appliance
- FireWall Applications
- Virtualization
- SD-WAN and vCPE/uCPE

1. Intel® Xeon® D-2146NT Processor, 8-Core, 16 Threads, 2.3 GHz, 80W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2133Mz; in 4 DIMM slots
3. 1 PCI-E 3.0 x16, 1 Mini PCI-E x1
4. Up to 4x 2.5" drive bays
5. 1 M.2 M-Key for storage: 2242/2280, 1 M.2 B-Key for SSD & WAN: 2242
6. 4x 1GbE, 2x 10GBase-T, 2x 10G SFP+, 1 dedicate IPMI LAN
7. 2 USB 3.0, 1 VGA (front)
8. 400W Redundant Platinum Level Power Supplies
9. Intel® Quick Assist Technology

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

## Specifications

### Product SKUs

SYS-1019D-FRN8TP ■ SuperServer 1019D-FRN8TP (Black)

### Motherboard

Super X11SDV-8C-TP8F

### Processor

CPU ■ Intel® Xeon® processor D-2146NT, CPU TDP support 80W

Cores / Cache ■ 8 Cores, 16 Threads

### System Memory

Memory Capacity ■ Up to 512GB DDR4 ECC LRDIMM  
 ■ Up to 256GB DDR4 ECC RDIMM  
 ■ 4 DIMM slots

Memory Type ■ 2666/2400/2133MHz ECC DDR4 L/RDIMM

### Chassis

Form Factor ■ 1U Rackmount

Model ■ [CSE-515-R407](#)

### Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 9.8" (249mm)

Package ■ 8" (H) x 27" (W) x 24" (D)

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


Available Colors ■ Black

### Front Panel

Buttons ■ Power On/Off button  
 ■ System Reset button

LEDs ■ Power LED  
 ■ Hard drive activity LED  
 ■ Network activity LEDs

	<ul style="list-style-type: none"> <li>Operating speed up to 2133MHz</li> </ul>
DIMM Sizes	<ul style="list-style-type: none"> <li>128GB, 64GB, 32GB, 16GB</li> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>1.2 V</li> </ul>
<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>System on Chip (SoC)</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) ports via SoC controller</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Quad LAN with Intel® Ethernet Controller I350-AM4</li> <li>Dual LAN with 10G SFP+ LAN via SoC</li> <li>Dual LAN with 10Gbase-T</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> </ul>
Video	<ul style="list-style-type: none"> <li>VGA via Aspeed AST2500 BMC</li> </ul>
<b>Input / Output</b>	
SATA	<ul style="list-style-type: none"> <li>12 SATA3 (6Gbps) ports, RAID 0, 1, 5, 10</li> </ul>
LAN	<ul style="list-style-type: none"> <li>4 RJ45 1GbE LAN ports (front)</li> <li>2 RJ45 10GBase-T LAN ports (front)</li> <li>2 10G SFP+ LAN ports (front)</li> <li>1 RJ45 Dedicated IPMI LAN port (front)</li> </ul>
USB	<ul style="list-style-type: none"> <li>2 USB 3.0 ports (front)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1 VGA port (front)</li> </ul>
<b>System BIOS</b>	
BIOS Type	<ul style="list-style-type: none"> <li>128Mb SPI Flash with AMI BIOS</li> </ul>
<b>Management</b>	
Software	<ul style="list-style-type: none"> <li>Intel® Node Manager</li> <li>IPMI 2.0</li> <li>NMI</li> <li>SUM</li> <li>Watch Dog</li> <li>SuperDoctor® 5</li> </ul>

	<ul style="list-style-type: none"> <li>System Information LED</li> </ul>
<b>Expansion Slots</b>	
PCI-Express	<ul style="list-style-type: none"> <li>1 PCI-E 3.0 x16 slot</li> <li>1 Mini PCI-E x1 slot</li> </ul>
M.2	<ul style="list-style-type: none"> <li>1 M.2 M-Key for storage: 2242/2280</li> <li>1 M.2 B-Key for SSD &amp; WAN: 2242</li> </ul>
<b>Drive Bays</b>	
Internal	<ul style="list-style-type: none"> <li>Up to 4x 2.5" drive bays</li> </ul>
<b>System Cooling</b>	
Fans	<ul style="list-style-type: none"> <li>4x 40mmx56mm cooling fan</li> </ul>
<b>AC/DC240V Input Redundant Power Supplies</b>	
400W 1U Redundant Power Supplies with PMbus	
Total Output Power	<ul style="list-style-type: none"> <li>400W</li> </ul>
Dimension (W x H x L)	<ul style="list-style-type: none"> <li>54.5 x 40 x 220 mm</li> </ul>
Input	<ul style="list-style-type: none"> <li>100 - 240Vac / 6.0 - 3.0A / 50-60Hz</li> <li>200 - 240Vdc / 3.4 - 3.2A (CCC Only)</li> </ul>
+12V	<ul style="list-style-type: none"> <li>Max: 33A / Min: 0.5A</li> </ul>
+5V sb	<ul style="list-style-type: none"> <li>Max: 3A / Min: 0A</li> </ul>
Output Type	<ul style="list-style-type: none"> <li>Gold Finger Connector Mating with Molex 45984-4343</li> </ul>
Certification	 <ul style="list-style-type: none"> <li>UL/cUL/CB/CE/BSMI/CCC Platinum Level Certified [ <a href="#">Test Report</a> ]</li> </ul>
<b>Operating Environment / Compliance</b>	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 40°C (50°F to 104°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>

## Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SDV-8C-TP8F	1	Super X11SDV-8C-TP8F Motherboard
	CSE-515-R407	1	1U Chassis
Cable 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0296L	4	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 3	CBL-0484L	2	SATA,INT,ROUND,ST-ST,55CM,30AWG
Parts	MCP-260-00099-0N	1	1U I/O Shield for A2SDi-TP8F with EMI Gasket
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output
* Power Supply	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
* Power Distributor	PDB-PT514-2824	1	1U redundant power distributor board for SC514, SC113 etc., (rename from PDB-PT514-1824),RoHS/REACH

### Notes:

- Parts with \* are inside the chassis