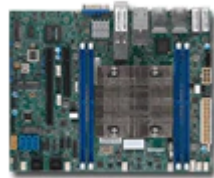


## SuperServer 1019D-FRN8TP



### Integrated Board



### Super X11SDV-8C-TP8F

[▶ Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#) ▶ [Tested M.2 List](#) ▶ [Manuals](#) ▶ [OS Certification Matrix](#) ▶ [Drive Options](#)

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

### 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

# Specifications

## Product SKUs

<b>SYS-1019D-FRN8TP</b>	■ SuperServer 1019D-FRN8TP (Black)
-------------------------	------------------------------------

## Motherboard

<b>Super X11SDV-8C-TP8F</b>
-----------------------------

## Processor

<b>CPU</b>	■ Intel® Xeon® processor D-2146NT, CPU TDP support 80W
<b>Cores / Cache</b>	■ 8 Cores, 16 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 2133MHz
<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 LAN with Intel® Ethernet Controller I350-AM4 ■ Dual LAN with 10G SFP+ LAN via SoC ■ Dual LAN with 10Gbase-T
<b>IPMI</b>	■ Support for Intelligent Platform Management Interface v.2.0 ■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Video</b>	■ VGA via Aspeed AST2500 BMC

## Input / Output

<b>SATA</b>	■ 12 SATA3 (6Gbps) ports, RAID 0, 1, 5, 10
<b>LAN</b>	■ 4 RJ45 1GbE LAN ports (front) ■ 2 RJ45 10GBase-T LAN ports (front) ■ 2 10G SFP+ LAN ports (front) ■ 1 RJ45 Dedicated IPMI LAN port (front)
<b>USB</b>	■ 2 USB 3.0 ports (front)
<b>Video</b>	■ 1 VGA port (front)

## System BIOS

<b>BIOS Type</b>	■ 128Mb SPI Flash with AMI BIOS
------------------	---------------------------------

## Management

## Chassis

<b>Form Factor</b>	■ 1U Rackmount
<b>Model</b>	■ <b>CSE-515-R407</b>

## Dimensions and Weight

<b>Height</b>	■ 1.7" (43mm)
<b>Width</b>	■ 17.2" (437mm)
<b>Depth</b>	■ 16.9" (429mm)
<b>Package</b>	■ 8" (H) x 27" (W) x 24" (D)
<b>Weight</b>	■ Gross Weight: 12 lbs (5.44 kg) ■ Net Weight: 8 lbs (3.63 kg)
<b>Available Colors</b>	■ Silver

## 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>	■ 1 PCI-E 3.0 x16 slot ■ 1 Mini PCI-E x1 slot
<b>M.2</b>	■ 1 M.2 M-Key for storage: 2242/2280 ■ 1 M.2 B-Key for SSD & WAN: 2242

## Drive Bays

<b>Internal</b>	■ Up to 4x 2.5" drive bays
-----------------	----------------------------

## System Cooling

<b>Fans</b>	■ 4x 40mmx56mm cooling fan
-------------	----------------------------

## AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMbus

<b>Total Output Power</b>	■ 400W
<b>Dimension (W x H x L)</b>	■ 54.5 x 40 x 220 mm
<b>Input</b>	■ 100 - 240Vac / 6.0 - 3.0A / 50-60Hz ■ 200 - 240Vdc / 3.4 - 3.2A (CCC Only)
<b>+12V</b>	■ Max: 33A / Min: 0.5A
<b>+5V sb</b>	■ Max: 3A / Min: 0A
<b>Output Type</b>	■ Gold Finger Connector Mating with Molex 45984-4343

## Certification



Platinum Level Certified  
[ [Test Report](#) ]

## Operating Environment / Compliance

<b>RoHS</b>	■ RoHS Compliant
-------------	------------------

<b>Software</b>	<ul style="list-style-type: none"><li>■ <a href="#">Intel® Node Manager</a></li><li>■ <a href="#">IPMI 2.0</a></li><li>■ <a href="#">NMI</a></li><li>■ <a href="#">SUM</a></li><li>■ <a href="#">Watch Dog</a></li><li>■ <a href="#">SuperDoctor® 5</a></li></ul>	<b>Environmental Spec.</b>	<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
<b>Motherboard / Chassis</b>	MBD-X11SDV-8C-TP8F	1	Super X11SDV-8C-TP8F Motherboard
	CSE-515-R407	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-0296L	4	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
<b>Cable 3</b>	CBL-0484L	2	SATA,INT,ROUND,ST-ST,55CM,30AWG
<b>Parts</b>	MCP-260-00099-0N	1	1U I/O Shield for A2SDi-TP8F with EMI Gasket
<b>Riser Card</b>	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output
<b>* Power Supply</b>	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
<b>* Power Distributor</b>	PDB-PT514-2824	1	1U redundant power distributor board for SC514, SC113 etc., (rename from PDB-PT514-1824),RoHS/REACH

#### 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.