

SuperServer 1019D-FRN8TP



Key Applications

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

Key Features

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

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Note: Image above may show a varied configuration of 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 Operating speed up to 2133MHz
DIMM Sizes	128GB, 64GB, 32GB, 16GB
Memory Voltage	1.2 V
On-Board Devices	
Chipset	System on Chip (SoC)
SATA	SATA3 (6Gbps) ports via SoC controller
Network Controllers	Quad LAN with Intel® Ethernet Controller I350-AM4 Dual LAN with 10G SFP+ LAN via SoC Dual LAN with 10Gbase-T
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	VGA via Aspeed AST2500 BMC
Input / Output	
SATA	12 SATA3 (6Gbps) ports, RAID 0, 1, 5, 10
LAN	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)
USB	2 USB 3.0 ports (front)
Video	1 VGA port (front)
System BIOS	
BIOS Type	128Mb SPI Flash with AMI BIOS
Management	
Software	Intel® Node Manager IPMI 2.0 NMI SUM Watch Dog SuperDoctor® 5

Chassis	
Form Factor	1U Rackmount
Model	CSE-515-R407
Dimensions and Weight	
Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	16.9" (429mm)
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	Silver
Front Panel	
Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED Network activity LEDs System Information LED
Expansion Slots	
PCI-Express	1 PCI-E 3.0 x16 slot 1 Mini PCI-E x1 slot
M.2	1 M.2 M-Key for storage: 2242/2280 1 M.2 B-Key for SSD & WAN: 2242
Drive Bays	
Internal	Up to 4x 2.5" drive bays
System Cooling	
Fans	4x 40mmx56mm cooling fan
AC/DC240V Input Redundant Power Supplies	
400W 1U Redundant Power Supplies with PMBus	
Total Output Power	400W
Dimension (W x H x L)	54.5 x 40 x 220 mm
Input	100 - 240Vac / 6.0 - 3.0A / 50-60Hz 200 - 240Vdc / 3.4 - 3.2A (CCC Only)
+12V	Max: 33A / Min: 0.5A
+5V sb	Max: 3A / Min: 0A
Output Type	Gold Finger Connector Mating with Molex 45984-4343
Certification	Platinum Level Certified [Test Report]
Operating Environment / Compliance	
RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 10°C to 40°C (50°F to 104°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
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:

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.

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