

SuperServer 1019D-12C-FRN5TP



Integrated Board



[./products/motherboard/Xeon/D/X11SDS-](#)

[12C.cfm](#)

Super X11SDS-12C ([./products/motherboard/Xeon/D/X11SDS-12C.cfm](#))

Views: | [Angled View \(/a_images/products/views/1019D-12C-FRN5TP_angle.jpg\)](#) | [Top View \(/a_images/products/views/1019D-12C-FRN5TP_top.jpg\)](#) | [Front View \(/a_images/products/views/1019D-12C-FRN5TP_front.jpg\)](#) | [Rear View \(/a_images/products/views/1019D-12C-FRN5TP_rear.jpg\)](#) |

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[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=86845&ProductName=SS1019D-12C-FRN5TP\)](#)

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Key Applications

Centralized/Cloud Radio Access Network (C-RAN)
Universal Customer Premise Equipment (uCPE)
Software Defined WAN (SD-WAN)
Network Function Virtualization (NFV)

Key Features

1. Intel® Xeon® D-2163IT Processor, 12-Core, 24 Threads, 2.1 GHz, 75W
2. Up to 512GB ECC LRDIMM, up to 256GB reg. ECC RDIMM DDR4-2133Mz; in 4 DIMM slots
3. 4 PCI-E 3.0 x8 slots for optional AIOM
4. 2x 2.5" drive bays (one drive space shares with M.2), 2 E1.S (40°C ambient temperature only)
5. M.2 Slots:
 2 M-Keys 2242/80/110 (PCI-E 3.0 x4/SATA) (space shared with one 2.5" drive bay),
 1 B-Key 3042 (PCI-E 3.0 x4/SATA)
 1 E-Key 2230 (PCI-E 3.0 x2)
6. 2x 10GbE (shared with IPMI), 2x 10G SFP+, 1 Ethernet Management port
7. 2 USB 3.0, 1 VGA, 1 COM via RJ45 or Micro USB
8. 400W Redundant Platinum Level Power Supplies

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-12C-FRN5TP

SuperServer 1019D-12C-FRN5TP (**Black**)

Motherboard

Super X11SDS-12C

(</products/motherboard/Xeon/D/X11SDS-12C.cfm>).

Processor

CPU

Intel® Xeon® processor D-2163IT,

CPU TDP support 75W

Cores / Cache

12 Cores, 24 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

Dual 10G SFP+ via SoC

Dual 10GBase-T (share with IPMI)

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 BMC (option)

Input / Output

SATA

2 SATA3 (6Gbps) ports

LAN

2 RJ45 10GbE LAN ports (shared with IPMI)

2 10G SFP+ LAN ports

1 Ethernet Management port

USB

2 USB 3.0 ports (front)

Video

1 VGA port

Serial Port / Header

1 COM via RJ45 or Micro USB

System BIOS

BIOS Type

128Mb SPI Flash with AMI BIOS

Chassis

Form Factor

1U Rackmount

Model

CSE-103-R407B

Dimensions and Weight

Height

1.7" (43mm)

Width

17.2" (437mm)

Depth

15" (381mm)

Package

8" (H) x 25" (W) x 27" (D)

Weight

Gross Weight: 26.9 lbs (12.2 kg)

Net Weight: 15.9 lbs (7.21 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

Expansion Slots

PCI-Express

4 PCI-E 3.0 x8 slots for AIOM (AIOM is sold separately, it is not included in standard/barebone system)

M.2

2 M-Keys 2242/80/110 (PCI-E 3.0 x4/SATA) (space share with one 2.5" drive)

1 B-Key 3042 (PCI-E 3.0 x4/SATA)

1 E-Key 2230 (PCI-E 3.0 x2)

Drive Bays

Internal

2x 2.5" drive bays (one drive space shares with M.2)

Others

2 E1.S (40°C ambient temperature only)

System Cooling

Fans

5x 40x40x56 mm 13K-11K RPM Counter-rotating Fans

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)

Management

Software

Intel® Node Manager

[IPMI 2.0 \(/solutions/IPMI.cfm\)](/solutions/IPMI.cfm)

NMI

[SUM \(/solutions/SMS_SUM.cfm\)](/solutions/SMS_SUM.cfm)

Watch Dog

[SuperDoctor® 5 \(/products/nfo/SMS_SD5.cfm\)](/products/nfo/SMS_SD5.cfm)

+12V

Max: 33A / Min: 0.5A

+5V sb

Max: 3A / Min: 0A

Output Type

Gold Finger Connector Mating with Molex 45984-4343

Certification



(<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2>).

Platinum Level Certified

[[Test Report \(/products/powersupply/80PLUS/80PLU407P-1R.pdf\)](/products/powersupply/80PLUS/80PLU407P-1R.pdf)]

Operating Environment / Compliance

RoHS

RoHS Compliant

Environmental Spec.

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:

Parts List

[Global SKU \(/zh_tw/products/SMC_global_skus\)](/zh_tw/products/SMC_global_skus)