

SuperServer 1019D-14C-FRN5TP



Integrated Board



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

[14C.cfm](#)

Super X11SDS-14C ([./products/motherboard/Xeon/D/X11SDS-14C.cfm](#))

Views: | [Angled View \(/a_images/products/views/1019D-14C-FRN5TP_angle.jpg\)](#) | [Top View \(/a_images/products/views/1019D-14C-FRN5TP_top.jpg\)](#) | [Front View \(/a_images/products/views/1019D-14C-FRN5TP_front.jpg\)](#) | [Rear View \(/a_images/products/views/1019D-14C-FRN5TP_rear.jpg\)](#) |

[Drivers & Utilities](#) | [BIOS](#) | [IPMI](#) | [Tested Memory](#)

[Tested M.2 List \(/zh_tw/support/resources/m2ssd?SystemID=86846&ProductName=SS1019D-14C-FRN5TP\)](#)

[Drive Options](#) | [Manuals](#) | [Quick-References Guide](#)

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-2173IT Processor, 14-Core, 28 Threads, 1.7 GHz, 70W
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-14C-FRN5TP
SuperServer 1019D-14C-FRN5TP (**Black**)

Motherboard

Super X11SDS-14C
[\(/products/motherboard/Xeon/D/X11SDS-14C.cfm\)](/products/motherboard/Xeon/D/X11SDS-14C.cfm).

Processor

CPU
Intel® Xeon® processor D-2173IT,
CPU TDP support 70W
Cores / Cache
14 Cores, 28 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)