

SuperServer 1019P-FHN2T



Integrated Board



[./products/motherboard/Xeon/C620/X11SPW-](#)

[TF.cfm](#)

[Super X11SPW-TF](#) ([./products/motherboard/Xeon/C620/X11SPW-TF.cfm](#)).

Views: | [Angled View](#) ([/a_images/products/views/1019P-FHN2T_angle.jpg](#)) | [Top View](#) ([/a_images/products/views/1019P-FHN2T_top.jpg](#)) | [Front View](#) ([/a_images/products/views/1019P-FHN2T_front.jpg](#)) | [Rear View](#) ([/a_images/products/views/1019P-FHN2T_rear.jpg](#)) |

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

[Tested M.2 List](#) ([/zh_tw/support/resources/m2ssd?SystemID=86907&ProductName=SS1019P-FHN2T](#)).

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

Key Applications

Multi-Access Edge Computing (MEC)
Centralized/Cloud Radio Access
Network (C-RAN)
Universal Customer Premise
Equipment (uCPE)
Advanced Network Security
Network Function Virtualization
(NFV)
Artificial Intelligence (AI) on Edge,
Machine Learning (ML)
Retail, Smart Medical Expert Systems

Key Features

1. Single Socket P (LGA 3647) supports 2nd Gen Intel® Xeon® Scalable processor ‡
2. 6 DIMMs; up to 1.5TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM
3. 2 PCI-E 3.0 x16 (FHFL) slots
4. 2 Hot-swap 2.5" SATA3 drive bays; 2 Internal 2.5" SATA3 drive bays (opt.)
5. 2x 10GBase-T ports with Intel X722 + X557
6. 1 VGA, 1 COM, 2 USB 3.0, 2 USB 2.0
7. M.2: 1 M-Key 2280/22110 PCI-E 3.0 x4 and SATA
8. 500W 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-1019P-FHN2T
SuperServer 1019P-FHN2T (**Black**)

Motherboard

Super X11SPW-TF
(</products/motherboard/Xeon/C620/X11SPW-TF.cfm>).

Processor/Cache

CPU
Single Socket P (LGA 3647)
2nd Gen. Intel® Xeon® Scalable Processors (Cascade Lake-SP)[‡]
Support CPU TDP 70-205W
Cores
Up to 28 Cores
Note
[‡] BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R).

Operating Temperature: 0°C ~ 35°C (32°F ~ 95°F) for Cascade Lake-R CPUs above 165W TDP, please contact Supermicro Technical Support for additional information.

System Memory

Memory Capacity
6 DIMM slots
Up to 1.5TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM
Memory Type
2933/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM

On-Board Devices

Chipset
Intel® C622 chipset
SATA
Intel® C622 controller; RAID 0, 1, 5, 10
Network Controllers
Dual 10GBase-T LAN with Intel® X722 + X557
IPMI
Support for Intelligent Platform Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video
ASPEED AST2500 BMC

Input / Output

SATA
4 SATA3 (6Gbps) ports
LAN
2 RJ45 10GBase-T LAN ports
1 RJ45 dedicated IPMI LAN port
USB
2 USB 3.0 ports (front)
2 USB 2.0 ports (front)
Video
1 VGA port
Serial Port
1 COM port (front)
SuperDOM
2 **SuperDOM** (</SATADOM/>). (Disk on Module) ports with built-in power

Chassis

Form Factor
1U Rackmount
Model
CSE-513BTS-505WBP

Dimensions and Weight

Height
1.7" (43mm)
Width
17.2" (437mm)
Depth
15" (381mm)
Package
19.5" (W) x 6.9" (H) x 22.4" (D)
Weight
Gross Weight: 26 lbs (11.79 kg)
Net Weight: 15 lbs (6.8 kg)
Available Colors
Black

Front Panel

Buttons
Power On/Off button
UID
LEDs
Power LED
Hard drive activity LED
Network activity LEDs
System Information LED

Expansion Slots

PCI-Express
2 PCI-E 3.0 x16 (FHFL) slots

Drive Bays

Hot-swap
2 Hot-swap 2.5" drive bays
Internal
2 Internal 2.5" SSD bays (optional)
M.2
M.2 Interface: PCI-E 3.0 x4 and SATA
Form Factor: 2280, 22110
Key: M-Key
Double Height Connector

System Cooling

Fans
6x 40x28mm PWM fans

Power Supply

500W High-Efficiency Power Supply w/ PMBus 1.2, I²C, and PFC
AC Input
100-240V, 50-60Hz, 6.6A max

System BIOS

BIOS Type

AMI 32Mb SPI Flash ROM

Management

Software

Intel® Node Manager

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

KVM with dedicated LAN

NMI

[SPM \(/solutions/SMS_SPM.cfm\)](#), [SUM](#)

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

[SuperDoctor® 5 \(/solutions/SMS_SD5.cfm\)](#)

Watch Dog

Power Configurations

ACPI Power Management

Power-on mode for AC power recovery

DC Output

+3.3V: 12A

+5V: 15A

+5V standby: 3A

+12V: 41A

-12V: 0.2A

Certification



[. \(https://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2\)](https://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2), **Platinum Certified**

Operating Environment

RoHS

RoHS Compliant

Environmental Spec.

Operating Temperature:

0°C ~ 40°C (32°F ~ 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:

Parts List

Global SKU (/zh_tw/products/SMC_global_skus)