SuperStorage 6019P-ACR12L

Integrated Board

(/products/motherboard/Xeon/C620/X11DDW-

NT.cfm)

Super X11DDW-NT (/products/motherboard/Xeon/C620/X11DDW-NT.cfm)

Views: | Angled View (/a_images/products/views/6019P-ACR12L_angle.jpg) | Top View (/a_images/products/views/6019P-ACR12L_top.jpg) |

| Front View (/a_images/products/views/6019P-ACR12L_front.jpg) | Rear View (/a_images/products/views/6019P-ACR12L_rear.jpg) |

Drivers & Utilities   BIOS   IPMI   Tested Memory

Tested M.2 List (/en/support/resources/m2ssd?
SystemID=86243&ProductName=SS6019P-ACR12L)

NVMe Options   Manuals

OS Certification Matrix (/en/support/resources/certification/
SSG-6019P-ACR12L)

Drive Options

Key Features

High Density Storage
Object Storage 1U
Scale-out Storage
Ceph / Hadoop
Big Data Analytics

1. Dual Socket P (LGA 3647) support 2nd Gen Intel® Xeon® Scalable processors (Cascade Lake/Skylake)[‡]

2. 12 DIMMs; up to 3TB 3DS ECC DDR4-2933MHz[†] RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM[††]

3. 2 PCI-E 3.0 x16 slots,
   1 PCI-E 3.0 x8 LP slot,
   1 PCI-E 3.0 x4 NVMe M.2 slot

4. 12 Hot-swap 3.5" SAS3/SATA3, 4 Hot-swap 2.5" 7mm NVMe/SATA drive bays

5. 2x 10GBase-T ports via Intel C622

6. IPMI 2.0 + KVM with Dedicated LAN

7. 1 VGA, 4 USB 3.0 (rear)

8. Internal Cable Arm

9. 600W Redundant Power Supplies
   Platinum Level Certified

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

Specifications

Product SKUs

SSG-6019P-ACR12L
SuperStorage 6019P-ACR12L (**Black**)

Motherboard

Super X11DDW-NT (/products/motherboard/Xeon/
C620/X11DDW-NT.cfm)

Processor/Cache

CPU
Dual Socket P (LGA 3647)
2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors‡,
Dual UPI up to 10.4GT/s
Support CPU TDP up to 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)

††† 205W CPU support for high performance up to 32℃. 75W-165W CPU support from 10℃ ~ 35℃.

System Memory

Memory Capacity
12 DIMM slots
Up to 3TB 3DS ECC DDR4-2933MHz† RDIMM/LRDIMM
Supports Intel® Optane™ DCPMM††

Memory Type
2933†/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM

Note
† 2933MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro
†† Cascade Lake only. Contact your Supermicro sales rep for more info.

On-Board Devices

Chipset
Intel® C622 chipset

SATA
SATA3 (6Gbps); RAID 0, 1, 5, 10

SAS
Broadcom 3224 SAS3 IT mode controller

Network Controllers
Dual LAN with 10GBase-T from Intel C622

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

LAN
2 RJ45 10GBase-T LAN ports
1 RJ45 Dedicated IPMI LAN port

Chassis

Form Factor
1U Rackmount
Model
CSE-802TS-R606WBP

Dimensions and Weight

Width
17.6" (447mm)
Height
1.7" (43mm)
Depth
37.40" (950mm)**
Weight
Net Weight: 65 lbs (29.5 kg)
Gross Weight: 80 lbs (36.3 kg)
Available Colors
Black

Front Panel

Buttons
Power On/Off button
System Reset button
LEDs
Power status LED
HDD activity LED
Network activity LEDs

Expansion Slots

PCI-Express
2 PCI-E 3.0 x16 slots
1 PCI-E 3.0 x8 LP slot
1 PCI-E 3.0 x4 NVMe M.2 slot

Drive Bays

Hot-swap
12 Hot-swap 3.5" SAS3/SATA3 drive bays
4 Hot-swap 2.5" 7mm NVMe/SATA drive bays

System Cooling

Fans
6x 40x40x56mm 20.5K-17.6K RPM Counter-rotating fans

Power Supply with Power Distributor

600W Redundant Power Supplies with PMBus
Total Output Power
600W
Dimension
(W x H x L)
54.5 x 40 x 220 mm
Input
100-240V, 50-60Hz, 7.5-3.5A
+12V
Max: 50A / Min: 0.5A

USB
4 USB 3.0 ports (rear)
2 USB 2.0 ports (front)
Video
1 VGA port
TPM
1 TPM Header

System BIOS

BIOS Type
UEFI 256Mb

Management

Software
Intel® Node Manager
IPMI 2.0 (/solutions/IPMI.cfm)
KVM with dedicated LAN
SSM (/solutions/SMS_SSM.cfm), SPM (/solutions/
SMS_SPM.cfm), SUM (/solutions/SMS_SUM.cfm)
SuperDoctor® 5 (/solutions/SMS_SD5.cfm)
Watch Dog
Power Configurations
ACPI / APM Power Management

PC Health Monitoring

CPU
Monitors for CPU Cores, Chipset Voltages, Memory.
4+1 Phase-switching voltage regulator
FAN
Fans with tachometer monitoring
Status monitor for speed control
Pulse Width Modulated (PWM) fan connectors
Temperature
Monitoring for CPU and chassis environment
Thermal Control for fan connectors

Parts List

+5Vsb
Max: 3A / Min: 0A
Output Type
Gold Finger Connector Mating with Molex 45984-4343
Certification

 (http://

www.plugloadsolutions.com/80PlusPowerSuppliesDetai
id=69&type=2) (/products/
powersupply/80PLUS/80PLUS_PWS-606P-1R.pdf) Platinu
Certified
[**Test Report (/products/
powersupply/80PLUS/80PLUS_PWS-606P-1R.pdf)**]

Operating Environment

RoHS
RoHS Compliant
Environmental Spec.
Operating Temperature:
   10°C ~ 35°C (50°F ~ 95°F)
Non-operating Temperature:
  -40°C to 60°C (-40°F to 140°F)
Operating Relative Humidity:
   8% to 90% (non-condensing)
Non-operating Relative Humidity:
   5% to 95% (non-condensing)

Certain products may not be available in your region

Global SKU (/en/products/SMC_global_skus)