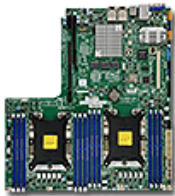


SuperStorage 6019P-ACR12L



Integrated Board



Super X11DDW-NT

Views: | [Angled View](#) | [Top View](#) |
| [Front View](#) | [Rear View](#) |

- [▶ Drivers & Utilities](#) | [▶ BIOS](#) | [▶ IPMI](#) | [▶ Tested Memory](#) | [▶ Tested M.2 List](#) | [▶ NVMe Options](#) | [▶ Manuals](#) | [▶ OS Certification Matrix](#) | [▶ 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)
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Motherboard

Super X11DDW-NT

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°C. 75W-165W CPU support from 10°C ~ 35°C.

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
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
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Management

Software	■ Intel® Node Manager ■ <u>IPMI 2.0</u> ■ KVM with dedicated LAN ■ <u>SSM, SPM, SUM</u> ■ <u>SuperDoctor® 5</u> ■ 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

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
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Drive Bays

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

Fans	■ 6x 40x40x56mm 20.5K-17.6K RPM Counter-rotating fans
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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
+5Vsb	■ Max: 3A / Min: 0A
Output Type	■ Gold Finger Connector Mating with Molex 45984-4343
Certification	 Platinum Certified [Test Report]

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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11DDW-NT	1	Super X11DDW-NT Motherboard
	CSE-802TS-R606WBP	1	1U Chassis
Add-on Card / Module	AOM-S3224-L-P	1	Mezzanine SAS 3224 I/O Controller,HF,RoHS
Backplane	BPN-NVME3-802N-S4	1	4-Port Hybrid Backplane Supports 4 x 2.5
Backplane	BPN-SAS3-802A	3	4-Port Backplane Supports 4x3.5
Backplane	BPN-SAS3-802A-1	3	4-Port Backplane Supports 4 x 3.5" SATA3/SAS3 HDD,HF,RoHS
Cable 1	CBL-0174L	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,14AWG,15A,125V,RoHS/REACH
Cable 2	CBL-PWCD-0174-IS	2	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,14AWG,RoHS/REACH
Cable 3	CBL-PWEX-1056	1	BPN PWR,2P/P3.0 to 3P/P3.0, 12V, 60CM,18AWG, 6A/pin, -20~80C, RoHS
Cable 4	CBL-SAST-0830	4	OcuLink v 1.0,INT,PCIe NVMe SSD,Passive Latch, 80
Cable 5	CBL-SAST-0831	1	OcuLink v 1.0,INT,PCIe NVMe SSD, Passive Latch, to MiniSAS 95CM,32AWG
Cable 6	CBL-SAST-1018	1	SLIMLINE SAS, INT,Passive Latch,166CM, 160CM, 154CM, power 160CM CABLE KIT
Parts	MCP-150-00015-0B	2	Rubber pad, 3.0mm H, 10x10mm
Riser Card	RSC-R1UW-2E16	1	1U LHS WIO Riser card with two PCIe x16 slots
Riser Card	RSC-R1UW-E8R	1	1U RHS WIO Riser card with one PCIe x8 slot
Heatsink / Retention	SNK-P0067PS	2	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
* Power Supply	PWS-606P-1R	2	1U 600W Redundant Short Depth High Efficiency Power Supply
* Power Distributor	PDB-PT802-8824	1	1U Power Distributor Board for SC802 support up to 800W.,RoH

- 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.

Optional Parts List

	Part Number	Qty	Description
Converter Trays	MCP-220-80203-0N	-	3.5" to 2.5" converter tray for SC802 chassis
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCIe x4, Intel® i350AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCIe x4, Intel® i350
	AOC-SG-i2	-	Standard LP, 2x GbE RJ45, PCIe x4, Intel® 82575EB
	AOC-SG-i4	-	Standard LP, 4x GbE RJ45, PCIe x4, Intel® 82576EB
	AOC-STG-b4S	-	Standard LP, 4x 10GbE SFP+, PCIe x8, Broadcom® BCM57840S
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCIe x8, Intel® 82599ES
	AOC-STGN-i1S	-	Standard LP, 1x 10GbE SFP+, PCIe x8, Intel® 82599ES
	AOC-STG-i2T	-	Standard LP, 2x 10GbE RJ45, PCIe x8, Intel® X540
	AOC-STG-i2	-	Standard LP, 2x 10GbE CX4, PCIe x8, Intel® 82598EB
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)