

# SuperServer 6019P-ACR12L



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## Key Features

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

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 1.5TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 12 DIMM slots
3. 2 PCI-E 3.0 x16 slots, 1 PCI-E 3.0 x8 slot
4. 12 Hot-swap 3.5" SAS3/SATA3 drive bays  
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. 600W Redundant Power Supplies  
Platinum Level Certified

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

## Specifications

### Product SKUs

- SSG-6019P-ACR12L
  - SuperServer 6019P-ACR12L (Black)

### Motherboard

Super X11DDW-NT

### Processor/Cache

- CPU
  - Dual Socket P (LGA 3647)
  - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
  - Support CPU TDP up to 165W
- Cores
  - Up to 28 Cores with Intel® HT Technology

### System Memory

- Memory Capacity
  - 12 DIMM slots
  - Up to 1.5TB ECC 3DS LRDIMM, 768GB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type
  - 2666/2400/2133MHz ECC DDR4 SDRAM

### Chassis

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

### Dimensions and Weight

- Width
  -
- Height
  - 1.7" (43mm)
- Depth
  - 38.5" (978mm)
- Package
  -
- Weight
  - Gross Weight:
- Available Colors
  - Black

### Front Panel

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

## On-Board Devices

Chipset	<ul style="list-style-type: none"> <li>Intel® C622 chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>
SAS	<ul style="list-style-type: none"> <li>Broadcom 3224 SAS3 IT mode controller</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Dual LAN with 10GBase-T from Intel C622</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> </ul>
Video	<ul style="list-style-type: none"> <li>ASPEED AST2500 BMC</li> </ul>

## Input / Output

LAN	<ul style="list-style-type: none"> <li>2 RJ45 10GBase-T LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>4 USB 3.0 ports (rear)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1 VGA port</li> </ul>
TPM	<ul style="list-style-type: none"> <li>1 TPM Header</li> </ul>

## System BIOS

BIOS Type	<ul style="list-style-type: none"> <li>UEFI 256Mb</li> </ul>
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## Management

Software	<ul style="list-style-type: none"> <li>Intel® Node Manager</li> <li>IPMI 2.0</li> <li>KVM with dedicated LAN</li> <li>SSM, SPM, SUM</li> <li>SuperDoctor® 5</li> <li>Watch Dog</li> </ul>
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Power Configurations	<ul style="list-style-type: none"> <li>ACPI / APM Power Management</li> </ul>
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## PC Health Monitoring

CPU	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, Chipset Voltages, Memory.</li> <li>4+1 Phase-switching voltage regulator</li> </ul>
FAN	<ul style="list-style-type: none"> <li>Fans with tachometer monitoring</li> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>Thermal Control for fan connectors</li> </ul>

## Expansion Slots

PCI-Express	<ul style="list-style-type: none"> <li>1 PCI-E 3.0 x32 Left Riser slot</li> <li>1 PCI-E 3.0 x16 Right Riser slot</li> <li>1 PCI-E 3.0 x16 for Add-On-Module (AOM)</li> </ul>
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## Drive Bays

Hot-swap	<ul style="list-style-type: none"> <li>12 Hot-swap 3.5" SAS3/SATA3 drive bays</li> <li>4 Hot-swap 2.5" 7mm NVMe/SATA drive bays</li> </ul>
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## System Cooling

Fans	<ul style="list-style-type: none"> <li>6x 4cm 20.5K RPM cooling fans</li> </ul>
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## Power Supply with Power Distributor

600W Redundant Power Supplies with PMBus	
Total Output Power	<ul style="list-style-type: none"> <li>600W</li> </ul>
Dimension (W x H x L)	<ul style="list-style-type: none"> <li>54.5 x 40 x 220 mm</li> </ul>
Input	<ul style="list-style-type: none"> <li>100-240V, 50-60Hz, 7.5-3.5A</li> </ul>
+12V	<ul style="list-style-type: none"> <li>Max: 50A / Min: 0.5A</li> </ul>
+5Vsb	<ul style="list-style-type: none"> <li>Max: 3A / Min: 0A</li> </ul>
Output Type	<ul style="list-style-type: none"> <li>Gold Finger Connector Mating with Molex 45984-4343</li> </ul>
Certification	 <ul style="list-style-type: none"> <li>UL/cUL/CB/CE/BSMI/CCC Platinum Certified</li> <li>[ <a href="#">Test Report</a> ]</li> </ul>

## Operating Environment

RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</li> <li>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

## 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-PWEX-1056	1	BPN PWR, 2P/P3.0 to 3P/P3.0, 12V, 60CM, 18AWG, 6A/pin, -20~80C, RoHS
Cable 3	CBL-SAST-0830	4	OcuLink v 1.0, INT, PCIe NVMe SSD, Passive Latch, 80
			OcuLink v 1.0, INT, PCIe NVMe SSD, Passive Latch, to MiniSAS

Cable 4	CBL-SAST-0831	1	95CM,34AWG
Cable 5	CBL-SAST-1018	1	SLIMLINE SAS, INT,Passive Latch,166CM, 160CM, 154CM, power 160CM CABLE KIT
Riser Card	RSC-R1UW-2E16	1	1U LHS WIO Riser card with two PCI-E x16 slots
Riser Card	RSC-R1UW-E8R	1	1U RHS WIO Riser card with one PCI-E 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 Supply	PWS-608P-1R	2	AC-DC 600W single output power supply Platinum Level, Redund

#### Optional Parts List

	Part Number	Qty	Description
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® i350AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® i350
	AOC-SG-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® 82575EB
	AOC-SG-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® 82576EB
	AOC-STG-b4S	-	Standard LP, 4x 10GbE SFP+, PCI-E x8, Broadcom® BCM57840S
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STGN-i1S	-	Standard LP, 1x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STG-i2T	-	Standard LP, 2x 10GbE RJ45, PCI-E x8, Intel® X540
	AOC-STG-i2	-	Standard LP, 2x 10GbE CX4, PCI-E x8, Intel® 82598EB
Global Services & Support	<a href="#">OS4HR3/2/1</a>	-	3/2/1-year onsite 24x7x4 service
	<a href="#">OSNBD3/2/1</a>	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)

\* Redundant Power supply supported on configurations up to 600W, >600W configurations dual/balanced mode is utilized.