

# SuperServer 6019P-WTR



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## Key Features

- Web Server, Firewall Apps.
- Corporate-Wins, DNS, Print, Login
- Gateway, provisioning servers
- Compact Network Appliance
- Cloud Computing

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 (FHHL) slots, 1 PCI-E 3.0 x8 (LP) slot, 1 PCI-E 3.0 x16 for Add-on-Module, 1 PCI-E M.2 SSD slot
4. 4 Hot-swap 3.5" SAS3/SATA3 drive bays
5. 2 1GbE LAN ports via Intel X722
6. 1 VGA, 4 USB 3.0 (rear)
7. 750W Redundant Power Supplies Platinum Level High-efficiency

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

## Specifications

### Product SKUs

- SYS-6019P-WTR
- SuperServer 6019P-WTR (Black)

### Motherboard

[Super X11DDW-L](#)

### Processor/Cache

- CPU
- Dual Socket P (LGA 3647)
  - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
  - Support CPU TDP 70-165W with IVR
- 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-815TOC-R706WB2](#)

### Dimensions and Weight

- Width
- 17.2" (437mm)
- Height
- 1.7" (43mm)
- Depth
- 23.5" (597mm)
- Gross Weight
- 46 lbs (20.9kg)
- Available Colors
- Black

### Front Panel

- Buttons
- Power On/Off button
  - UID button
- LEDs
- Power status LED
  - HDD activity LED
  - Network activity LEDs
  - Universal Information (UID) LED

### Expansion Slots

On-Board Devices	
Chipset	▪ Intel® C621 chipset
SATA	▪ SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	▪ Dual LAN with Gigabit Ethernet from C621
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 (6 Gbps) ports
LAN	▪ 2 RJ45 Gigabit Ethernet ports ▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 4 USB 3.0 ports (rear)
Video	▪ 1 VGA port
DOM	▪ 2 SuperDOM (Disk on Module) ports

System BIOS	
BIOS Type	▪ AMI 32Mb SPI Flash ROM

Management	
Software	▪ Intel® Node Manager ▪ <a href="#">IPMI 2.0</a> ▪ KVM with dedicated LAN ▪ <a href="#">SSM</a> , <a href="#">SPM</a> , <a href="#">SUM</a> ▪ <a href="#">SuperDoctor® 5</a> ▪ Watch Dog

Power Configurations	▪ ACPI / APM Power Management
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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

PCI-Express	<ul style="list-style-type: none"> <li>▪ 2 PCI-E 3.0 x16 (FHHL) slots</li> <li>▪ 1 PCI-E 3.0 x8 (LP) slot</li> <li>▪ 1 PCI-E 3.0 x16 for Add-on-Module (AOM)</li> <li>▪ 1 PCI-E M.2 SSD slot</li> </ul> <p>(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and <a href="#">AOC Support</a> for details.)</p>
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Drive Bays	
Hot-swap	▪ 4 Hot-swap 3.5" SATA3 drive bays

Backplane	
SAS/SATA HDD Backplane	

System Cooling	
Fans	▪ 4 Counter-rotating 4cm PWM fans

AC/DC240V Input Redundant Power Supply	
700W/750W Redundant Power Supplies with PMBus	

Total Output Power	▪ 700W/750W
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Dimension (W x H x L)	▪ 54.5 x 40.25 x 320 mm
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Input	<ul style="list-style-type: none"> <li>▪ 100 - 140Vac / 8 - 6A / 50-60Hz</li> <li>▪ 200 - 240Vac / 4.5 - 3.8A / 50-60Hz</li> <li>▪ 200 - 240Vdc / 4.5 - 3.8A (CCC Only)</li> </ul>
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+12V	<ul style="list-style-type: none"> <li>▪ Max: 58A / Min: 0.5A (100 - 140Vac)</li> <li>▪ Max: 62A / Min: 0.5A (200 - 240Vac)</li> <li>▪ Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)</li> </ul>
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+5V sb	▪ Max: 3A / Min: 0A
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Output Type	▪ Gold Finger Connector Mating with Molex 45984-4343
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Certification	 UL/cUL/CB/BSMI/CE/CCC Platinum Certified <a href="#">[ Test Report ]</a>
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Operating Environment	
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RoHS	▪ RoHS Compliant
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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>
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## Parts List

### Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	<a href="#">MBD-X11DDW-L</a>	1	Super X11DDW-L Motherboard
	<a href="#">CSE-815TQC-R706WB2</a>	1	1U Chassis
Backplane	<a href="#">BPN-SAS3-815TQ</a>	1	1U 4-Port 12Gbps Backplane Support 4x3.5" SAS3/SATA3

			HDD/SSD
Cable 1	CBL-SAST-0388L-02	1	MINI SAS-4 SATA,INT,75/75/90/90CM,90CM SB,30AWG
Parts	MCP-150-00015-0B	2	Rubber pad, 3.0mm H, 10x10mm
Air Shroud	MCP-310-19019-0B	2	SC113/SC116/SC815/SC515, DP X11DDW Mylar air shroud
Fan Holder	MCP-320-00061-0B	1	CR foam for air block in SC113/SC116/SC815
Riser Card	RSC-R1UW-2E16	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0067PSMB	2	1U Passive High Performance Front CPU Heat Sink w/ an 18-mm Wide Middle Air Channel for X11 Purley Platform Equipped w/ a Narrow Retention Mechanism/Bolster
Power Supply	PWS-706P-1R	2	1U 750W redundant power width 54.5mm(Platinum),HF,RoHS/REACH,PBF

#### Optional Parts List

	Part Number	Qty	Description
SAS3 Cable	CBL-SAST-0531	-	Internal Mini-SAS HD to Mini-SAS HD 80cm,30AWG,12Gb/s, HF,RoHS/REACH,PBF
SuperCap	BTR-TFM8G-LSICVM02	-	SuperCap package
CachVault(s)	BTR-CV3108-1U1	-	Broadcom 3108 CacheVault 1U dummy fan kit
CacheVault Installation Kits	MCP-240-00127-0N	-	SuperCap installation kit for thick 2.5" HDD location
	BKT-BBU-BRACKET-05	-	SuperCap installation kit for PCI-E location
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 x8, 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-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
AOC-PG-i2+*	-	Proprietary LP, 2x GbE RJ45, PCI-E x4, Intel® 82576EB	
Storage Controller Card(s)	AOC-S3008L-L8e	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 122HDD, HBA
	AOC-S3008L-L8i	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 63HDD, RAID 0,1,1E
	AOC-S3108L-H8iR	-	Standard LP, 8 internal ports (12Gb/s) Gen-3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-S2308L-L8e	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 122HDD, HBA
	AOC-S2308L-L8i	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 63HDD, RAID 0,1,1E
	AOC-S2208L-H8iR	-	Standard LP, 8 internal ports (6Gb/s) Gen-3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60
Storage Controller AOM	AOM-S3108M-H8	-	Add-on-Module with LSI 3108, SAS-3/Gen-3 12Gb/ROC
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)