

# SuperServer 6019P-WT



[▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
[▶ Manuals](#)
[▶ OS Certification Matrix](#)
[▶ Drive Options](#)

## 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 with SES2
5. Optional 1 slim DVD-ROM drive
6. 2 1GbE LAN ports via Intel X722
7. 1 VGA, 4 USB 3.0 (rear)
8. 600W Multi Output Power Supply, 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-WT	▪ SuperServer 6019P-WT (Black)
Motherboard	
Super X11DDW-L	
Processor/Cache	
CPU	<ul style="list-style-type: none"> <li>▪ Dual Socket P (LGA 3647)</li> <li>▪ Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s</li> <li>▪ Support CPU TDP 70-165W with IVR</li> </ul>
Cores	▪ Up to 28 Cores with Intel® HT Technology
System Memory	
Memory Capacity	<ul style="list-style-type: none"> <li>▪ 12 DIMM slots</li> <li>▪ Up to 1.5TB ECC 3DS LRDIMM, 768GB ECC RDIMM, DDR4 up to 2666MHz</li> </ul>
Memory Type	▪ 2666/2400/2133MHz ECC DDR4 SDRAM

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ CSE-815TQC-605WB
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	<ul style="list-style-type: none"> <li>▪ Power On/Off button</li> <li>▪ UID button</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>▪ Power status LED</li> <li>▪ HDD activity LED</li> <li>▪ Network activity LEDs</li> </ul>

## 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
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## Management

Software	▪ Intel® Node Manager ▪ IPMI 2.0 ▪ 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

## 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

## Universal Information (UID) LED

## Expansion Slots

PCI-Express	▪ 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 (AOM) ▪ 1 PCI-E M.2 SSD slot
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(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and [AOC Support](#) for details.)

## Drive Bays

Hot-swap	▪ 4 Hot-swap 3.5" SATA3 drive bays
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## Backplane

SAS/SATA HDD Backplane	
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## System Cooling

Fans	▪ 4 Counter-rotating 4cm PWM fans, 2 fans for cooling AOC
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## Power Supply

600W High-Efficiency Power Supply w/PMBus 1.2, I<sup>2</sup>C, PFC, and Digital Switching

AC Input	▪ 100-240V, 50-60Hz
DC Output	▪ +3.3V: 15A ▪ +5V: 18A ▪ +5V standby: 3A ▪ +12V: 49A ▪ -12V: 0.5A

Certification	 Platinum Certified [ <a href="#">Test Report</a> ]
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## 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
<b>Motherboard / Chassis</b>	MBD-X11DDW-L	1	Super X11DDW-L Motherboard
	CSE-815TQC-605WB	1	1U Chassis
<b>Backplane</b>	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5" SAS3/SATA3 HDD/SSD
<b>Cable 1</b>	CBL-SAST-0388L-02	1	MINI SAS-4 SATA,INT,75/75/90/90CM,90CM SB,30AWG
<b>Parts</b>	MCP-150-00015-0B	2	Rubber pad, 3.0mm H, 10x10mm
<b>Air Shroud</b>	MCP-310-19019-0B	2	SC113/SC116/SC815/SC515, DP X11DDW Mylar air shroud
<b>Fan Holder</b>	MCP-320-00061-0B	1	CR foam for air block in SC113/SC116/SC815
<b>Riser Card</b>	RSC-R1UW-2E16	1	RSC-R1UW-2E16-O-P
<b>Riser Card</b>	RSC-R1UW-E8R	1	RSC-R1UW-E8R-O-P
<b>Heatsink / Retention</b>	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
<b>Power Supply</b>	PWS-605P-1H	1	1U 600W Multi Output Power Supply PMbus
<b>Rear Window</b>	MCP-240-00097-0N	1	WIO rear window for SC113,SC116, SC815 Single PWS

Optional Parts List			
	Part Number	Qty	Description
<b>SAS3 Cable</b>	CBL-SAST-0531	-	Internal Mini-SAS HD to Mini-SAS HD 80cm,30AWG,12Gb/s, HF,RoHS/REACH,PBF
<b>SuperCap</b>	BTR-TFM8G-LSICVM02	-	SuperCap package
<b>CachVault(s)</b>	BTR-CV3108-1U1	-	Broadcom 3108 CacheVault 1U dummy fan kit
<b>CacheVault Installation Kits</b>	MCP-240-00127-0N	-	SuperCap installation kit for thick 2.5" HDD location
	BKT-BBU-BRACKET-05	-	SuperCap installation kit for PCI-E location
<b>Network Card(s)</b>	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
<b>Storage Controller Card(s)</b>	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
<b>Storage Controller AOM</b>	AOM-S3108M-H8	-	Add-on-Module with LSI 3108, SAS-3/Gen-3 12Gb/ROC
<b>Global Services &amp; Support</b>	<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
<b>Software</b>	SFT-OOB-LIC	1	OOB Management Package (per node license)
<b>Software</b>	SFT-DCMS-Single	1	DataCenter Management Package (per node license)