

SuperServer 6019P-WT8



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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. 8x 3.5" and 2x 2.5" Fixed drive bays
5. 2 GbE LAN ports via Intel C621
6. 1 VGA, 4 USB 3.0 (rear)
7. 600/650W 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-WT8 ■ SuperServer 6019P-WT8 (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

On-Board Devices

Chassis

Form Factor ■ 1U Rackmount

Model ■ CSE-801STS-656DP

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

LEDs ■ Power status LED
 ■ HDD activity LED
 ■ Network activity LEDs
 ■ Universal Information (UID) LED

Expansion Slots

Chipset	<ul style="list-style-type: none"> Intel® C621 chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	<ul style="list-style-type: none"> Dual LAN with Gigabit Ethernet from C621
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	<ul style="list-style-type: none"> ASPEED AST2500 BMC

Input / Output

SATA	<ul style="list-style-type: none"> 10 SATA3 (6 Gbps) ports
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 4 USB 3.0 ports (rear)
Video	<ul style="list-style-type: none"> 1 VGA port
DOM	<ul style="list-style-type: none"> 2 SuperDOM (Disk on Module) ports

System BIOS

BIOS Type	<ul style="list-style-type: none"> AMI 32Mb SPI Flash ROM
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Management

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

PC Health Monitoring

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

- 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

PCI-Express

(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

Internal	<ul style="list-style-type: none"> 8 Fixed 3.5" drive bays 2 Fixed 2.5" drive bays
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Backplane

SATA HDD Backplane	
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System Cooling

Fans	<ul style="list-style-type: none"> 6 Counter-rotating 4cm PWM fans
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Power Supply

600W/650W Multi-output power supply w/ PFC for Rear I/O

AC Input	<ul style="list-style-type: none"> 100-127V, 50-60Hz 200-240V, 50-60Hz
DC Output	<ul style="list-style-type: none"> +3.3V: 15A (Max.); 0.5A (Min.) +5V: 18A (Max.); 0.5A (Min.) +5V standby: 3A +12V: 49A (100-127Vac) 54A (200-240Vac) -12V: 0.5A

Certification



Platinum Certified
(Cert. in progress)

Operating Environment

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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-L	1	Super X11DDW-L Motherboard
	CSE-801STS-656DP	1	1U Chassis
Backplane	BPN-SAS-801T-A4	2	4-port 1U CSE-801 cold storage backplane with thermistor and individual HDD power cycle, support up to 4x 3.5-inch SAS2/SATA3 HDD/SSD
Cable 1	CBL-0476L	1	MINI SAS-4 SATA,INT,55/45/35/30CM,55CM SB,30AWG
Cable 2	CBL-SAST-0996-1	2	MINI SAS-4 SATA,INT,95 CM
Parts	MCP-150-00015-0B	2	Rubber pad, 3.0mm H, 10x10mm
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-656P-1H	1	1U 600/650W Multi-output power supply with PMbus RoHS/REACH,PBF
FAN 1	FAN-0101L4	6	40x56,4 Pin PWM,Primary for SC809,111, Sec.for SC816,819,808
Rear Window	MCP-240-80102-0N	1	I/O window w/ MB side for X10 DDW in SC801S/SC815/SC113, D-rear window (Changeable), single PWS,RoHS/REACH

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 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
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
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	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)