

SuperServer 5019P-WT



Key Features

- DB Processing & Storage
- Data Center Applications
- Firewall Applications

1. Single socket P (LGA 3647) supports Intel® Xeon® Scalable Processors
2. Up to 768GB ECC 3DS LRDIMM, up to DDR4-2666MHz; 6 DIMM slots
3. 2 PCI-E 3.0 x16 (FHFL) slots, 1 PCI-E 3.0 x8 (LP) slot
4. 4 Hot-swap 3.5" SATA3 drive bays, 1 slim DVD-ROM drive bay
5. 2x 10GBase-T ports with Intel X772 + X557
6. 1 VGA, 2 COM, 2 USB 3.0, 2 USB 2.0
7. 2 SuperDOM (Disk on Module) ports
8. 600W Multi Output Power Supply, Platinum Level High-efficiency

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

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

Specifications

Product SKUs

- SYS-5019P-WT ■ SuperServer 5019P-WT (Black)

Motherboard

Super X11SPW-TF

Processor/Cache

- CPU ■ Single Socket P (LGA 3647)
 ■ Intel® Xeon® Scalable Processors
 ■ Support CPU TDP 70-205W
- Cores ■ Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity ■ 6 DIMM slots
 ■ Up to 768GB ECC 3DS LRDIMM, 192GB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type ■ 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset ■ Intel® C622 chipset
- SATA ■ SATA3 (6Gbps); RAID 0, 1, 5, 10
- Network ■ Dual 10GBase-T LAN with Intel® X772 +

Chassis

- Form Factor ■ 1U Rackmount
- Model ■ CSE-815TQC-605WB

Dimensions and Weight


- Height ■ 1.7" (43mm)
- Width ■ 17.2" (437mm)
- Depth ■ 25.6" (650mm)
- Package ■ 23.5" (W) x 8.5" (H) x 33.7" (L)
- Weight ■ Gross Weight: 46 lbs (20.87 kg)
 ■ Net Weight: 22 lbs (9.98 kg)
- Available Colors ■ Black

Front Panel

- Buttons ■ Power On/Off button
 ■ System Reset button
- LEDs ■ Power LED
 ■ Hard drive activity LED
 ■ Network activity LEDs
 ■ System Overheat LED
 ■ Information LED (temp., status)

Expansion Slots

Controllers	X557
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 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2 RJ45 10GBase-T LAN ports 1 RJ45 dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2 USB 3.0 ports (rear) 2 USB 2.0 ports (rear)
Video	<ul style="list-style-type: none"> 1 VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2 COM ports (1 rear, 1 header)
SuperDOM	<ul style="list-style-type: none"> 2 <u>SuperDOM</u> (Disk on Module) ports with built-in power
System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI 32Mb SPI Flash ROM
Management	
Software	<ul style="list-style-type: none"> Intel® Node Manager <u>IPMI 2.0</u> KVM with dedicated LAN NMI <u>SPM, SUM</u> <u>SuperDoctor® 5</u> 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

PCI-Express	<ul style="list-style-type: none"> 2 PCI-E 3.0 x16 (FHFL) slots 1 PCI-E 3.0 x8 (LP) slot
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 4 Hot-swap 3.5" SATA3 drive bays
M.2	<ul style="list-style-type: none"> M.2 mini-PCI-e support
Peripheral Drives	
DVD-ROM	<ul style="list-style-type: none"> 1 Slim DVD-ROM drive bay
System Cooling	
Fans	<ul style="list-style-type: none"> 5 Counter-rotation 40x56mm PWM fans 1 fan for AOC cooling (option)
Power Supply	
600W High-Efficiency Power Supply w/PMBus 1.2, I ² C, PFC, and Digital Switching	
AC Input	<ul style="list-style-type: none"> 100-240V, 50-60Hz +3.3V: 15A +5V: 18A
DC Output	<ul style="list-style-type: none"> +5V standby: 3A +12V: 49A -12V: 0.5A
Certification	 Platinum Certified [Test Report]
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 - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SPW-TF	1	Super X11SPW-TF Motherboard
	CSE-815TQC-605WB	1	1U Chassis
Backplane	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5" SAS3/SATA3 HDD/SSD
Cable 1	CBL-0180L-01	1	SATA,INT,ROUND,SET OF 4,ST-RA 70/59/48/38CM,26AWG
Cable 2	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 3	CBL-CDAT-0660	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,27CM,28AWG
FAN 1	FAN-0156L4	1	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Manual	MNL-1921-QRG	1	5019P-WT/WTR, QRG,HF,RoHS/REACH
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-P0067PS	1	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Power Supply	PWS-605P-1H	1	1U 600W Multi Output Power Supply PMbus
Rear Window	MCP-240-00097-0N	1	WIO rear window for SC113,SC116, SC815 Single PWS