

# SuperServer 6019P-MTR



## Key Features

- Data Center Optimized
- Web Server
- Enterprise Server
- Managed Hosting
- Short Depth

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 1TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 8 DIMM slots
3. 1 PCI-E 3.0 x8 (FHHL) slot
4. 4 Hot-swap 3.5" SATA3 drive bays
5. 2 GbE LAN ports via Marvell 88E1512
6. IPMI 2.0 + KVM with Dedicated LAN
7. 1 VGA, 2 USB 2.0 (rear)
8. 2 SuperDOM (Disk on Module) ports; 1 PCIe/SATA M.2 drive connector
9. 600W Redundant Power Supplies Platinum Level Certified

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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-6019P-MTR ■ SuperServer 6019P-MTR (Black)

### Motherboard

Super X11DPL-i

### Processor/Cache

- CPU
- Dual Socket P (LGA 3647)
  - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
  - Support CPU TDP 70-140W with IVR
- Cores
- Up to 28 Cores with Intel® HT Technology

### System Memory

- Memory Capacity
- 8 DIMM slots
  - Up to 1TB ECC 3DS LRDIMM, 512GB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type
- 2666/2400/2133MHz ECC DDR4 SDRAM

### On-Board Devices

### Chassis

- Form Factor
- 1U Rackmount
- Model
- CSE-813MF2TQC-R608CB

### Dimensions and Weight

- Width
- 17.2" (437mm)
- Height
- 1.7" (43mm)
- Depth
- 19.98" (508mm)
- Package
- 23.4" (W) x 8.5" (H) x 29.7" (L)
- Weight
- Net Weight: 20.7 lbs (9.4 kg)
  - Gross Weight: 30.0 lbs (13.6 kg)
- Available Colors
- Black

### Front Panel

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

Chipset	<ul style="list-style-type: none"> <li>Intel® C621 chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Marvell 88E1512 PHY Gigabit Ethernet controller</li> <li>Supports 1000BASE-T</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

SATA	<ul style="list-style-type: none"> <li>4 SATA3 (6Gbps) ports</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2 RJ45 Gigabit Ethernet LAN ports</li> <li>1 RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>2 USB 2.0 ports (rear)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1 VGA port</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1 COM port (header)</li> </ul>
DOM	<ul style="list-style-type: none"> <li>2 SuperDOM (Disk on Module) ports</li> </ul>

#### System BIOS

BIOS Type	<ul style="list-style-type: none"> <li>256Mb SPI Flash EEPROM with AMI BIOS</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>NMI</li> <li>SSM, SPM, SUM</li> <li>SuperDoctor® 5</li> <li>Watch Dog</li> </ul>
Power Configurations	<ul style="list-style-type: none"> <li>ACPI / APM Power Management</li> </ul>

#### 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 x8 (FHHL) slot</li> </ul>
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#### Drive Bays

Hot-swap	<ul style="list-style-type: none"> <li>4 Hot-swap 3.5" SATA3 drive bays</li> </ul>
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#### Backplane

SAS2/SATA3 Backplane	
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#### System Cooling

Fans	<ul style="list-style-type: none"> <li>4x 4cm 22.5K RPM middle cooling fans</li> </ul>
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#### Power Supply with Power Distributor

600W Redundant Power Supplies	
Dimension (W x H x L)	<ul style="list-style-type: none"> <li>54.5 x 40.25 x 220 mm</li> </ul>
Input	<ul style="list-style-type: none"> <li>90-264V, 50-60Hz, 7.5 - 2.5A</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>Input: IEC 320 C-14</li> <li>Output: Gold Finger</li> </ul>

Certification	 <ul style="list-style-type: none"> <li>UL/cUL/CB/CE/BSMI/CCC Platinum Certified</li> </ul>
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#### 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-X11DPL-i	1	Super X11DPL-i Motherboard
	CSE-813MF2TQC-R608CB	1	1U Chassis
Backplane	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5" SAS3/SATA3 HDD/SSD
Cable 1	CBL-0186L	1	SATA,INT,ROUND,SET OF 4,ST-RA 56/45.5/35/23CM,26AWG
Cable 2	CBL-CDAT-0661	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,40CM,28AWG
Parts	MCP-260-00111-0N	1	1U I/O Shield for X11DPL-i with EMI Gasket
Air Shroud	MCP-310-19015-0N	1	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12

Manual	MNL-2013-QRG	1	6019P-MT/MTR Quick Reference Guide
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8
Heatsink / Retention	SNK-P0067PD	2	1U Passive Proprietary CPU Heat Sink for X11DPL Motherboard Equipped with a Square Retention Mechanism
Power Supply	PWS-608P-1R	2	AC-DC 600W single output power supply Platinum Level, Redund
FAN 1	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,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 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
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT3	-	BLACK PANASONIC SLIM DVD ROM SATA DRIVE
	DVM-TEAC-DVD-SBT3	-	BLACK TEAC SLIM DVD ROM SATA DRIVE
	DVM-PLDS-DVDRW-SBT4	-	PHILIPS SLIM BLACK DVD-RW SATA DRIVE
	DVM-TEAC-DVDRW-SBT2	-	BLACK TEAC SLIM DVD-RW SATA DRIVE
DVD-ROM Accessory	MCP-220-81502-0N	-	Slim SATA DVD kit for SC213,219,813,815,818,819,825,828,829,836,842
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)