

# SuperServer 6019P-MT



## 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. 500W High-Efficiency Power Supply Platinum Level Certified

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

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-MT          | ▪ SuperServer 6019P-MT (Black)  |
| Motherboard           |   |
| <u>Super X11DPL-i</u> |   |
| 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 70-140W with IVR</li> </ul> |
| Cores                 | ▪ Up to 28 Cores with Intel® HT Technology  |
| System Memory         |   |
| Memory Capacity       | <ul style="list-style-type: none"> <li>▪ 8 DIMM slots</li> <li>▪ Up to 1TB ECC 3DS LRDIMM, 512GB ECC RDIMM, DDR4 up to 2666MHz</li> </ul>   |
| Memory Type           | ▪ 2666/2400/2133MHz ECC DDR4 SDRAM  |
| On-Board Devices      |   |

| Chassis               |   |
|-----------------------|---|
| Form Factor           | ▪ 1U Rackmount  |
| Model                 | ▪ <u>CSE-813MF2TQC-505CB</u>  |
| 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                | <ul style="list-style-type: none"> <li>▪ Net Weight: 19.6 lbs (8.9 kg)</li> <li>▪ Gross Weight: 28.7 lbs (13.0 kg)</li> </ul>     |
| Available Colors      | ▪ Black   |
| Front Panel           |   |
| Buttons               | <ul style="list-style-type: none"> <li>▪ Power On/Off button</li> <li>▪ System Reset 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> |

|                     |  |
|---------------------|--|
| 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> |
|-----------|--|

#### 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> |
|-------------|--|

#### Drive Bays

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

#### Backplane

|                      |  |
|----------------------|--|
| SAS2/SATA3 Backplane |  |
|----------------------|--|


#### System Cooling

|      |  |
|------|--|
| Fans | <ul style="list-style-type: none"> <li>4x 4cm 22.5K RPM middle cooling fans</li> </ul> |
|------|--|

#### Power Supply

500W High-Efficiency Power Supply w/PMBus 1.2, I<sup>2</sup>C, and PFC

|           |  |
|-----------|--|
| AC Input  | <ul style="list-style-type: none"> <li>100-240V, 50-60Hz, 6.6A max</li> </ul>  |
| DC Output | <ul style="list-style-type: none"> <li>+3.3V: 12A</li> <li>+5V: 15A</li> <li>+5V standby: 3A</li> <li>+12V: 41A</li> <li>-12V: 0.2A</li> </ul> |

|               |  |
|---------------|--|
| Certification |  Platinum Certified |
|---------------|--|

#### 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-505CB | 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-505P-1H | 1 | 1U 500W Multi-output, Platinum level w/ PMbus 24pin, W100xL180xH40mm,RoHS/REACH                        |
| 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)                    |