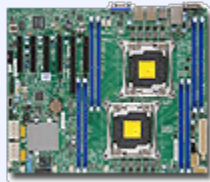


# SuperServer 6018R-MT / BULK



## Integrated Board



[Super X10DRL-i](#)



## Key Features

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
2. Up to 512GB ECC DDR4, up to 2133MHz; 8x DIMM sockets
3. 1x PCI-E 3.0 x8 FHHL Expansion slot
4. Intel® i210 Dual port Gigabit Ethernet
5. IPMI 2.0 + KVM with Dedicated LAN
6. 4x 3.5" Hot-swap SATA3 HDD Bays
7. I/O ports: 2x SuperDOM, 1x VGA, 1x COM, 2x USB 3.0, 2x USB 2.0
8. 440W/480W High-efficiency PSU  
**Platinum Level Certified**
9. \*Note: **SYS-6018R-MT-BULK**  
Available as Cost Optimized, Bulk Packing - 10 systems in one carton

## Available Colors:

Black



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

## Specifications

### Product SKUs

**SYS-6018R-MT** ■ SuperServer 6018R-MT (**Black**)

### Motherboard

[Super X10DRL-i](#)

### Processor/Cache

**CPU** ■ Intel® Xeon® processor E5-2600 v3 family (up to 135W TDP \*\*)  
■ Dual Socket R3 (LGA 2011)

**Cores / Cache** ■ Up to 18 Cores / Up to 45MB Cache

**System Bus** ■ QPI up to 9.6 GT/s

**Note** \*\* Please contact your Supermicro sales representative for additional details.

### System Memory

**Memory Capacity** ■ 8x 288-pin DDR4 DIMM sockets  
■ Up to 512GB ECC LRDIMM, 256GB ECC RDIMM

**Memory Type** ■ 133/1866/1600MHz ECC DDR4 SDRAM 72-bit

### Chassis

**Form Factor** ■ 1U Rackmount

**Model** ■ [CSE-813MFTQ-441CB](#)

### Dimensions and Weight

**Width** ■ 17.2" (437mm)

**Height** ■ 1.7" (43mm)

**Depth** ■ 19.8" (503mm)

**Gross Weight** ■ 36 lbs (16.33kg)

**Available Colors** ■ Black

### Front Panel

**Buttons** ■ Power On/Off button  
■ System Reset button

**LEDs** ■ Power status LED  
■ HDD activity LED  
■ 2x Network activity LEDs  
■ Universal Information (UID) LED

### Expansion Slots

<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>RDIMM: 32GB, 16GB, 8GB, 4GB</li> <li>LRDIMM: 64GB, 32GB</li> </ul>
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<b>Memory Voltage</b>	<ul style="list-style-type: none"> <li>1.2 V</li> </ul>
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<b>Error Detection</b>	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> </ul>
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### On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® C612 Express chipset</li> </ul>
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<b>SATA</b>	<ul style="list-style-type: none"> <li>I-SATA 4 &amp; I-SATA 5 support SATA DOM</li> <li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>
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<b>IPMI</b>	<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> <li>ASPEED AST2400 BMC</li> </ul>
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<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Intel® i210 Gigabit Ethernet controller</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8211E PHY (dedicated IPMI)</li> </ul>
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<b>Video</b>	<ul style="list-style-type: none"> <li>ASPEED AST2400 BMC</li> </ul>
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### Input / Output

<b>SATA</b>	<ul style="list-style-type: none"> <li>4x SATA3 (6Gbps) ports</li> </ul>
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<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
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<b>USB</b>	<ul style="list-style-type: none"> <li>2x USB 3.0 ports (rear)</li> <li>2x USB 2.0 ports (rear)</li> <li>1x Type A</li> </ul>
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<b>Video</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
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<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>2x Fast UART 16550 port / 1 Header</li> </ul>
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<b>DOM</b>	<ul style="list-style-type: none"> <li>2x SuperDOM (Disk on Module) ports</li> </ul>
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<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>1x PCI-E 3.0 x8 Full-height Half-length</li> </ul>
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### Drive Bays

<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>4x 3.5" Hot-swap SATA HDD trays</li> </ul>
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### Backplane

1U SATA/SAS HDD Backplane
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### System Cooling

<b>Fans</b>	<ul style="list-style-type: none"> <li>5x 4cm 17.5K RPM PWM fans</li> </ul>
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### Power Supply

440W/480W AC power supply with PFC
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<b>AC Voltage</b>	<ul style="list-style-type: none"> <li>100-140 V, 5.5-4 Amp 50-60 Hz</li> <li>180-240 V 3.5-2.5 Amp 50-60 Hz</li> </ul>
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<b>+5V</b>	<ul style="list-style-type: none"> <li>18 Amp</li> </ul>
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<b>+5V Standby</b>	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
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<b>+12V</b>	<ul style="list-style-type: none"> <li>38.8A at 100-140Vac</li> <li>39.1A at 180-240Vac</li> </ul>
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<b>+3.3V</b>	<ul style="list-style-type: none"> <li>15 Amp</li> </ul>
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<b>Certification</b>	  <b>Platinum Certified [ Test Report ]</b>
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### System BIOS

<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
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<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.3</li> <li>ACPI 3.0 / 4.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.7.1</li> <li>UEFI 2.3.1</li> </ul>
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### Operating Environment / Compliance

<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
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<b>Environmental Spec.</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>
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### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10DRL-i	1	Super X10DRL-i Motherboard
	CSE-813MFTQ-441CB	1	1U Chassis
<b>Air Shroud</b>	MCP-310-19015-0N	1	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12"x10" MB,RoHS/REACH
<b>Backplane</b>	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
<b>Cable 1</b>	CBL-0186L	1	SET OF 4 SATA 56/45.5/35/23CM ROUND S-RA. 26AWG
<b>Cable 2</b>	CBL-CDAT-0661	1	8 pin to 8 pin round SGPIO cable, 40cm, 28AWG, pinout 1-1,RoHS/REACH
<b>Riser Card</b>	RSC-RR1U-E8-O-P	1	RSC-RR1U-E8 (Rev 4.00)
<b>Heatsink / Retention</b>	SNK-P0047PD	2	1U Passive Custom CPU Heat Sink for X9DRL, X10DRL Related Systems
<b>Power Supply</b>	PWS-441P-1H	1	440W/480W Platinum Power Supply