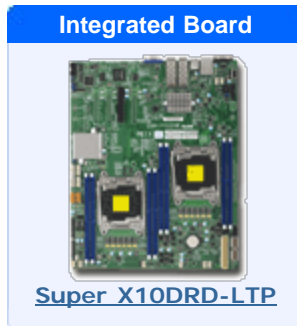


SuperServer 6018R-TDTPR



Available Colors: Black

Key Features

- **Data Center Optimized**
- **10GbE SFP+**

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 slots
3. 1x PCI-E 3.0 x8 (Full-Height, Half-Length)
4. Intel® 82599ES Dual LAN 10GbE with SFP+
5. IPMI 2.0 + KVM with Dedicated LAN
6. 4x 3.5" Hot-swap SATA drive bays
7. I/O ports: 2x SuperDOM, 1x VGA, 2x COM, 2x USB 2.0
8. 500W Redundant High-efficiency PSU **Platinum Level (94%)**

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-TDTPR** ■ SuperServer 6018R-TDTPR (Black)

Motherboard

Super X10DRD-LTP

Processor/Cache

- CPU** ■ Intel® Xeon® processor E5-2600 v3 family (up to 145W 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 Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

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

Memory Bandwidth ■ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

Chassis

- Form Factor** ■ 1U Rackmount

- Model** ■ **CSE-815TQ-R500CB**

Dimensions and Weight

- Width** ■ 17.2" (437mm)

- Height** ■ 1.7" (43mm)

- Depth** ■ 25.6" (650mm)

- Package** ■ 23.5" x 8.5" x 33.7"

- Gross Weight** ■ 38 lbs (17.24kg)

- 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

- PCI-Express** ■ 1x PCI-E 3.0 x8 Full-height, Half-length

DIMM Sizes	<ul style="list-style-type: none"> RDIMM: 32GB, 16GB, 8GB, 4GB LRDIMM: 64GB, 32GB
Memory Voltage	<ul style="list-style-type: none"> 1.2 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C612 Express chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0, 1, 5, 10
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 ASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® 82599ES Dual LAN 10 Gigabit Ethernet w/ SFP+ 1x Realtek RTL8211E PHY (dedicated IPMI)
Video	<ul style="list-style-type: none"> ASPEED AST2400 BMC
Input / Output	
SATA	<ul style="list-style-type: none"> 4x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2x 10 Gigabit Ethernet SFP+ ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB 2.0 ports (rear) 1x Type A
Video	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2x COM Ports (1 rear, 1 header)
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports
Management	
Software	<ul style="list-style-type: none"> Intel® Node Manager SuperDoctor® 5 IPMI 2.0 SSM SPM SUM Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI / APM Power Management Power-on mode for AC power recovery

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 4x 3.5" Hot-swap SATA drive bays
Backplane	
1U SATA/SAS HDD Backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 5x 4cm heavy duty counter-rotating fans with optimal fan speed control
Power Supply with Power Distributor	
500W high-efficiency (94%+) redundant power supplies w/ PMBus and I ² C	
AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 6.2-2.6 Amp
DC Output	<ul style="list-style-type: none"> 3 Amp @ +5V standby 42 Amp @ +12V
With Power Distributor	<ul style="list-style-type: none"> +5V: 25 Amp +3.3V: 12 Amp -12V: 0.6 Amp
Certification	  Platinum Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 PCI 2.3 ACPI 3.0 / 4.0 USB Keyboard support SMBIOS 2.7.1 UEFI 2.3.1
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 5°C to 40°C (41°F to 104°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°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-X10DRD-LTP	1	Super X10DRD-LTP Motherboard
	CSE-815TQ-R500CB	1	1U Chassis
Backplane	BPN-SAS-815TQ-O-P	1	BPN-SAS-815TQ-O-P
Cable 1	CBL-0180L-01	1	SET OF 4 SATA 70/59/48/38CM ROUND S-RA, 26AWG
Cable 2	CBL-CDAT-0661	1	8 pin to 8 pin round SGPIO cable, 40cm, 28AWG, pinout 1-1,RoHS/REACH
Riser Card	RSC-RR1U-E8-O-P	1	RSC-RR1U-E8 (Rev 4.00)
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-504P-1R	2	500W 1U Redundant PWS W/ 54.5MM Wide
Riser Card Bracket	MCP-120-00078-0N	1	1U riser card bracekt