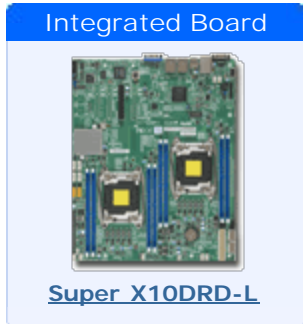


SuperServer 6018R-MDR



Available Colors: Silver

Key Features

- Data Center Optimized

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) expansion slot
4. Intel® i350 Dual port GbE LAN
5. IPMI 2.0 + KVM with Dedicated LAN
6. 2x 2.5" fixed SATA drive bay
7. I/O ports: 2x SuperDOM, 1x VGA, 2x COM, 4x USB 2.0 (rear)
8. 400W Redundant Power Supplies

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-MDR	<ul style="list-style-type: none"> ■ SuperServer 6018R-MDR (Silver)
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Motherboard

Super X10DRD-L

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ Intel® Xeon® processor E5-2600 v3 family (up to 120W TDP) * ■ Dual Socket R3 (LGA 2011)
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Cores / Cache	<ul style="list-style-type: none"> ■ Up to 14 Cores / Up to 35MB Cache
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System Bus	<ul style="list-style-type: none"> ■ QPI up to 9.6 GT/s
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Note	<p>* Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.</p>
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System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 8x 288-pin DDR4 DIMM slots ■ Up to 512GB ECC LRDIMM, 256GB ECC RDIMM
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Memory Type	<ul style="list-style-type: none"> ■ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
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Chassis

Form Factor	<ul style="list-style-type: none"> ■ 1U Rackmount
Model	<ul style="list-style-type: none"> ■ CSE-514-R400C

Dimensions and Weight

Width	<ul style="list-style-type: none"> ■ 17.2" (437mm)
Height	<ul style="list-style-type: none"> ■ 1.7" (43mm)
Depth	<ul style="list-style-type: none"> ■ 16.9" (429mm)
Package	<ul style="list-style-type: none"> ■ 8" x 27" x 24"
Gross Weight	<ul style="list-style-type: none"> ■ 28 lbs (12.70 kg)
Available Colors	<ul style="list-style-type: none"> ■ Silver

Front Panel

Buttons	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button
LEDs	<ul style="list-style-type: none"> ■ Power status LED ■ HDD activity LED ■ 2x Network activity LEDs ■ Universal Information (UID) LED

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> ■ 1x PCI-E 3.0 x8 Full-height, Half-length slot
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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 chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0, 1
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® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output 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"> 6x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 4x 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 IPMI 2.0 NMI SuperDoctor® 5 Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management Power-on mode for AC power recovery

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 2x 2.5" fixed SATA drive bay with bracket
System Cooling	
Fans	<ul style="list-style-type: none"> 5x 4cm heavy duty counter-rotating fans with optimal fan speed control
Power Supply	
400W (1+1) Redundant SuperCompact Short-depth AC-DC Gold-level power supply with PMBus and I2C	
AC Input	<ul style="list-style-type: none"> 400W: 100-240 V, 50-60 Hz, 6-3 Amp
DC Output +5V standby	<ul style="list-style-type: none"> 3 Amp
DC Output +12V	<ul style="list-style-type: none"> 33 Amp
With Power Distributor	<ul style="list-style-type: none"> +5V: 25 Amp +3.3V: 25 Amp -12V: 0.6 Amp
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: 10°C to 35°C (50°F to 95°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-L	1	Super X10DRD-L Motherboard
	CSE-514-R400C	1	1U Chassis
Cable 1	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-0481L	2	81CM 30AWG SATA S-S cable
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-406P-1R	2	1U 400W Redundant Short Depth Power Supply
Fan	FAN-0156L4	5	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Riser Card Bracket	MCP-120-00078-0N	1	1U riser card bracekt

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
Onsite Service Program	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
Onsite Service Program	OSNBD3/2/1	-	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)