

SuperServer 6018R-MD



Integrated Board



Super X10DRD-L

Available Colors:

Silver



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

Key Features

Data Center Optimized
Cost Effective
Short Depth

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4[†]/v3 family; QPI up to 9.6GT/s
2. Up to **1TB[†]** ECC 3DS LRDIMM , up to DDR4- **2400[†]**MHz ; 8x DIMM slots
3. 1x PCI-E 3.0 x8 (FHHL) slot
4. 2x 2.5" or 1x 3.5" Fixed SATA3 Drive Bays
5. Intel® i350 Dual-Port 1GbE LAN
6. I/O ports: 1x VGA, 1x COM, 4x USB 2.0
7. 500W High-Efficiency Power Supply **Platinum Level Certified**
8. 2x SuperDOM (Disk on Module) ports
9. IPMI 2.0 + KVM with Dedicated LAN

Specifications

Product SKUs

SYS-6018R-MD ■ SuperServer 6018R-MD (Silver)

Motherboard

Super X10DRD-L

Processor/Cache

CPU ■ Intel® Xeon® processor E5-2600 v4† / v3 family (up to 145W TDP) *
■ Dual Socket R3 (LGA 2011)

Cores / Cache ■ Up to **22 Cores**† / Up to **55MB**† Cache

System Bus ■ QPI up to 9.6 GT/s

Note † BIOS version 2.0 or above is required

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 1TB† ECC 3DS LRDIMM, 512GB ECC RDIMM

Memory Type ■ **2400**†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

DIMM Sizes ■ RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
■ LRDIMM: 64GB, 32GB
■ 3DS LRDIMM: 128GB

Memory Voltage ■ 1.2 V

Error Detection ■ Corrects single-bit errors

On-Board Devices

Chipset ■ Intel® C612 chipset

SATA ■ SATA3 (6Gbps); RAID 0, 1

IPMI ■ 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 ■ 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 ■ ASPEED AST2400 BMC

Input / Output

SATA ■ 6x SATA3 (6Gbps) ports
■ I-SATA 4 & I-SATA 5 support SATA DOM

LAN ■ 2x RJ45 Gigabit Ethernet LAN ports
■ 1x RJ45 Dedicated IPMI LAN port

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-514-505**

Dimensions and Weight

Width ■ 17.2" (437mm)

Height ■ 1.7" (43mm)

Depth ■ 16.9" (429mm)

Package ■ 27" (W) x 8" (H) x 24" (L)

Gross Weight ■ 26 lbs (11.80 kg)

Available Colors ■ Silver

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 (FHHL) slot

Drive Bays

Hot-swap ■ 2x 2.5" or 1x 3.5" Fixed SATA3 Drive Bays

System Cooling

Fans ■ 5x 4cm fans with optimal fan speed control

Power Supply

500W High-Efficiency Power Supply w/PMBus 1.2, I²C, and PFC

AC Input ■ 100-240V, 50-60Hz, 6.6A max

DC Output ■ +3.3V: 12A
■ +5V: 15A
■ +5V standby: 3A
■ +12V: 41A
■ -12V: 0.2A

Certification



Platinum Certified

System BIOS

BIOS Type ■ 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features ■ 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

USB	<ul style="list-style-type: none"> 7x USB 2.0 ports (4 rear, 2 headers, 1 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"> IPMI 2.0 Intel® Node Manager SuperDoctor® 5 SSM SPM SUM Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI Power Management Power-on mode for AC power recovery

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)

Список деталей

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10DRD-L	1	Super X10DRD-L Motherboard
	CSE-514-505	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	SATA,INT,ROUND,ST-ST,81CM,30AWG
FAN 1	FAN-0156L4	5	40x40x56 mm 13K-11K RPM Counter-rotating Fan,RoHS/REACH
Parts	MCP-120-00078-0N	1	Optional shorter 1U riser card bracket for X9DRL-7F/EF and beyond
Drive Tray(s)	MCP-220-51401-0N	1	Dual 2.5 HDD bracket (bracket base not follow std 2.5" HDD screw holes)
Drive Tray(s)	MCP-220-51402-0N	1	3.5in fixed HDD tray for SC513,514,515,812L,812U,523,HF,RoHS/REACH
Manual	MNL-1768-QRG	1	SYS-6018R-MD, QRG,HF,RoHS/REACH
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-505P-1H	1	1U 500W Multi-output, Platinum level w/ PMbus 24pin, W100xL180xH40mm,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
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)