

SuperServer 6018R-MD



Integrated Board



[\(/products/motherboard/Xeon/C600/X10DRD-](#)

[L.cfm\).](#)

[Super X10DRD-L \(/products/motherboard/Xeon/C600/X10DRD-L.cfm\).](#)

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

Available Colors: Silver 

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#)

[Tested M.2 List \(/en/support/resources/m2ssd?SystemID=84693&ProductName=SS6018R-MD\)](#)

[Manuals](#)

[OS Certification Matrix \(/support/resources/OS/OS Certification Intel.cfm?MProduct_Name=SYS%2D6018R%2DMD\)](#)

[Quick-References Guide](#) [Drive Options](#)

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

Specifications

Product SKUs

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

Motherboard

Super X10DRD-L
[.\(/products/motherboard/Xeon/C600/X10DRD-L.cfm\).](http://products/motherboard/Xeon/C600/X10DRD-L.cfm)

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

Chassis

Form Factor
1U Rackmount
Model
CSE-514-505 (/products/chassis/1U/514/SC514-505.cfm)

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



[. \(http://www.plugloadsolutions.com/80PlusPowerSupply](http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2)
[id=69&type=2\).](http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2) **Platinum Certified**



LAN

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

USB

- 7x USB 2.0 ports
- (4 rear, 2 headers, 1 Type A)

Video

- 1x VGA port

Serial Port / Header

- 2x COM ports (1 rear, 1 header)

DOM

- 2x SuperDOM (/SATADOM/). (Disk on Module) ports

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

Management

Software

- IPMI 2.0
- Intel® Node Manager
- SuperDoctor® 5 (/products/nfo/SMS_SD5.cfm).
- SSM

SPM (/products/nfo/SMS_SPM.cfm).

SUM (/products/nfo/SMS_SUM.cfm).

- Watch Dog

Power Configurations

- ACPI Power Management
- Power-on mode for AC power recovery

Operating Environment / Compliance

RoHS

- RoHS Compliant

Environmental Spec.

- 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:

Parts List

Global SKU (/en/products/SMC_global_skus)