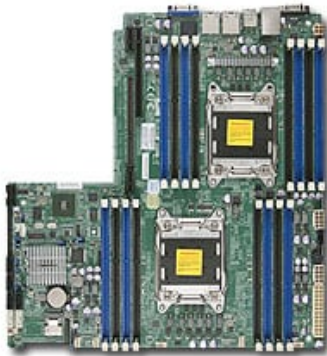




X9DRW-iF

Products ▶ Motherboards ▶ Xeon® Boards ▶ [X9DRW-iF]



Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
2. Intel® C602 chipset; QPI up to 8.0GT/s
3. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM slots
4. Riser card support:
Left side - 1 (x32) PCI-E 3.0
Right side - 1 (x16) PCI-E 3.0
5. Intel® i350 Dual port GbE LAN
6. 8x SATA2 and 2x SATA3 ports
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. 6x USB 2.0 ports (4 rear + 2 via header)

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD / SSD List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Quick Reference Guide](#)
- ▶ [Update Your BIOS](#)
- ▶ [BMC/IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [Heat Sink Compatibility](#)
- ▶ [OS Compatibility](#)



Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

MBD-X9DRW-iF -O	■ X9DRW-iF (Standard Retail Pack)
MBD-X9DRW-iF -B	■ X9DRW-iF (Bulk Pack)

Physical Stats

Form Factor	■ Proprietary WIO
Dimensions	■ 12" x 13" (30.5cm x 33.0cm)

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ Dual Socket R (LGA 2011) ■ Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 135W TDP **)
Note	† BIOS version 3.0 or above is required
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support.
Cache	■ Up to 30MB
System Bus	■ QPI up to 8 GT/s

System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 16x 240-pin DDR3 DIMM slots ■ Up to 1TB DDR3 ECC LRDIMM ■ Up to 512GB DDR3 ECC RDIMM ■ Up to 128GB DDR3 ECC/non-ECC UDIMM
Memory Type	<ul style="list-style-type: none"> ■ 1866/1600/1333/1066/800MHz* ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs ■ Support ECC and non-ECC UDIMMs <p>* Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.</p>

Chassis (Optimized for X9DRW-iF)

1U Chassis	<ul style="list-style-type: none"> ■ CSE-113TQ-600WB ■ CSE-113TQ-R700WB ■ CSE-116TQ-R700WB ■ CSE-815TQ-600WB ■ CSE-815TQ-R700WB
2U Chassis	<ul style="list-style-type: none"> ■ CSE-213A-R740WB ■ CSE-825TQ-R740WB
Important Chassis Notes	<ul style="list-style-type: none"> ■ To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.

SuperServer(s) with X9DRW-iF

Model(s)	<ul style="list-style-type: none"> ■ SYS-2027R-WRF ■ SYS-6027R-WRF ■ SYS-6017R-NTE ■ SYS-1027R-WRF ■ SYS-6017R-WRF
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Expansion Slots

PCI-Express	<ul style="list-style-type: none"> ■ Riser card support: Left side - 1 PCI-E 3.0 (x32) Right side - 1 PCI-E 3.0 (x16) <p>(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)</p>
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System BIOS

BIOS Type	■ 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 1.0 / 2.0 / 3.0 / 4.0 ■ BIOS rescue hot keys

DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C602 chipset
AHCI SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SCU SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with 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 Renesas SH7757 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"> G200 (Renesas SH7757 BMC)
Input / Output	
AHCI SATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 4x SATA 2.0 ports (3Gbps)
SCU SATA	<ul style="list-style-type: none"> 4x SATA 2.0 ports (3Gbps)
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 6 USB 2.0 ports total (4x rear + 2x via header)
Video	<ul style="list-style-type: none"> 1 VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2 Fast UART 16550 ports / 1 rear and 1 header
DOM	<ul style="list-style-type: none"> 1 DOM (Disk on Module) power connector

	<ul style="list-style-type: none"> USB Keyboard support SMBIOS 2.7.1 UEFI 2.3.1
Management	
Software	<ul style="list-style-type: none"> SuperDoctor® III Watch Dog NMI IPMI 1.5 / 2.0
Power Configurations	<ul style="list-style-type: none"> ACPI / APM Power Management Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.1V, +1.5V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, 4 Memory Voltages. 5+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers 6x fans with tachometer monitoring Status monitor for speed control Status monitor for on/off control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 6x Fan Connectors Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED indicator Suspend static indicator LED UID/Remote UID
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header SDDC Support RoHS Dual cooling zones
Operating Environment	
Operating Temperature Range	<ul style="list-style-type: none"> 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	<ul style="list-style-type: none"> -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	<ul style="list-style-type: none"> 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	<ul style="list-style-type: none"> 5% - 95% (non-condensing)

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (retail)

	Part Number	Qty	Description
X9DRW-iF	MBD-X9DRW-iF	1	X9DRW-iF Motherboard
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF
I/O Cables	CBL-0097L-03	1	30AWG 50CM Ipass to 4 SATA, W/50cm SB, S

Optional Parts List

	Part Number	Qty	Description
Heat Sink (optional, not included)	-	-	CPU Heat Sink reference

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