

Products ▶ Motherboards ▶ Xeon® Boards ▶ [X9DRW-3TF+]



1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Intel® C606 chipset; QPI up to 8.0GT/s
3. Up to 1.5TB ECC DDR3, up to 1866MHz; 24x DIMM slots
* Depends on memory configuration
4. Riser card support:
Left side - 1 (x48) PCI-E 3.0
5. Intel X540 Dual port 10GBASE-T & Intel® i350 Dual port GbE LAN
6. 4x SATA2 and 2x SATA3 ports
7. 8x SAS ports from C606
8. Integrated IPMI 2.0 and KVM w/ Dedicated LAN
9. 7x USB 2.0 ports
(2 rear, 4 via header + 1 Type A)

Links & Resources

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

Specifications

Product SKUs	
MBD-X9DRW-3TF+ -B	▪ X9DRW-3TF+ (Bulk Pack)
Physical Stats	
Form Factor	▪ Proprietary WIO
Dimensions	▪ 12.8" x 16.5" (32.5cm x 41.9cm)
Processor/Cache	
CPU	▪ 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	▪ 24x 240-pin DDR3 DIMM slots ▪ Up to 1.5TB DDR3 ECC LRDIMM ▪ Up to 768GB DDR3 ECC RDIMM ▪ Up to 128GB DDR3 ECC/non-ECC UDIMM
Memory Type	▪ 1866/1600/1333/1066/800MHz* ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs ▪ Support ECC and non-ECC UDIMMs * Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.
DIMM Sizes	▪ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM
Memory Voltage	▪ 1.5 V, 1.35 V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	▪ Intel® C606 chipset
SATA	▪ SATA 2.0 3Gb/s with RAID 0, 1, 5, 10 ▪ SATA 3.0 6Gb/s with RAID 0, 1, 5, 10
SAS	▪ SAS from C606 ▪ RAID 0, 1, 10 support
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ Nuvoton WPCM450 BMC
Network Controllers	▪ Intel® X540 Dual Port 10GbE-T ▪ Intel® i350 Dual Port Gigabit Ethernet ▪ Virtual Machine Device Queues reduce I/O overhead ▪ Supports 10GbE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8201N PHY (dedicated IPMI) (Both CPUs need to be installed for LAN ports 3 and 4 to be enabled)
Video	▪ Matrox G200eW
Input / Output	
SATA	▪ 2 SATA 3.0 ports (6Gb/s) ▪ 4 SATA 2.0 ports (3Gb/s)
SAS	▪ 8 SAS ports
LAN	▪ 2 RJ45 10GbE LAN ports ▪ 2 RJ45 Gigabit Ethernet LAN ports ▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 7 USB 2.0 ports total (2 rear + 4 via header + 1 Type A)
Video	▪ 1 VGA port
Serial Port / Header	▪ 2 Fast UART 16550 ports: 1 rear and 1 header
DOM	▪ 1 DOM (Disk on Module) power connector
TPM	▪ 1 TPM 1.2 20-pin Header

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

Parts List

Parts List (Bulk)			
	Part Number	Qty	Description
X9DRW-3TF+	MBD-X9DRW-3TF+	1	X9DRW-3TF+ Motherboard
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF

Optional Parts List			
	Part Number	Qty	Description

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	Part Number	Qty	Description

(optional, not included)	-	-	CPU Heat Sink reference
TPM security module	AOM-TPM-9655V	-	TPM module with Infineon 9655, RoHS/REACH,PBF;

SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]
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