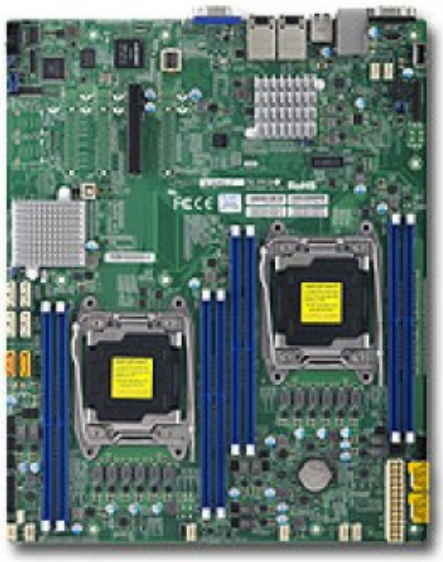
Supermicro MBD-X10DRD-LT, Dual SKT, Intel C612 Chipset, SATA, 2x10GbE, IPMI

Part number: MBD-X10DRD-LT-O



Form Factor	E-ATX
Dimensions	13" x 10.5"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v3 Intel Xeon E5-2600v4
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	8
Max Memory Size	1024 GB
Integrated GPU	Aspeed AST2400
# of PCIe x8 3.0	1
# of USB Ports	4 x USB 2.0 (rear) 2 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	6
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x Base-T
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Product SKUs

MBD-X10DRD-LT-O	• X10DRD-LT (Standard Retail Pack)

Physical Stats

Form Factor	• E-ATX
Dimensions	• 13.05" x 10.5" (33.1cm x 26.7cm)

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	** Motherboard supports this maximum TDP. Please verify your system can thermally support.

System Memory

Memory Capacity	• 8x 288-pin DDR4 DIMM slots • Up to 1TB† ECC 3DS LRDIMM, 256GB ECC RDIMM
Memory Type	• **2400**†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes	• RDIMM: 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
AHCI SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
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® X540 Dual Port 10GBase-T • Virtual Machine Device Queues reduce I/O overhead • Supports 10GBase-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
LAN	• 2x RJ45 10GBase-T ports • 1x RJ45 Dedicated IPMI LAN port
USB	• 7x USB 2.0 ports total (4 rear, 2 via headers, 1 Type A)
Video	• 1x VGA port
Serial Port / Header	• 2x COM Ports (1 rear, 1 header)
DOM	• 2x SuperDOM (Disk on Module) ports
TPM	• 1x TPM Header

Chassis (Optimized for X10DRD-LT)

1U Chassis:	• SC514-441 • SC514-R400C • SC514-505 • SC813LT-350CB • SC813LT-R500CB
Important Chassis Notes	• To support the new generation Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

Expansion Slots

PCI-Express	• 1x PCI-E 3.0 x8 slot

System BIOS

BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	• Plug and Play (PnP) • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1

Management

Software	• Intel Node Manager • IPMI 2.0 • NMI • SuperDoctor® 5 • Watch Dog
Power Configurations	• ACPI Power Management • Power-on mode for AC power recovery

PC Health Monitoring

Voltage	• Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, +3.3V Standby, VBAT, Memory Voltages. • 4 Phase-switching voltage regulator
FAN	• 8x 4-pin fan headers (up to 8 fans) • 8x fans with tachometer monitoring • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors
Temperature	• Monitoring for CPU and chassis environment • CPU thermal trip support • Thermal Control for 8x Fan Connectors • Thermal Monitor 2 (TM2) support • PECI
LED	• CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
Other Features	• RoHS

Operating Environment

Operating Temperature Range	• 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	• -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	• 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	

Visit us for more info: https://www.superstorage.pl/supermicro-mbd-x10drd-lt-dual-skt-intel-c612-chipset-sata-2x10gbe-ipmi-p-1343.html