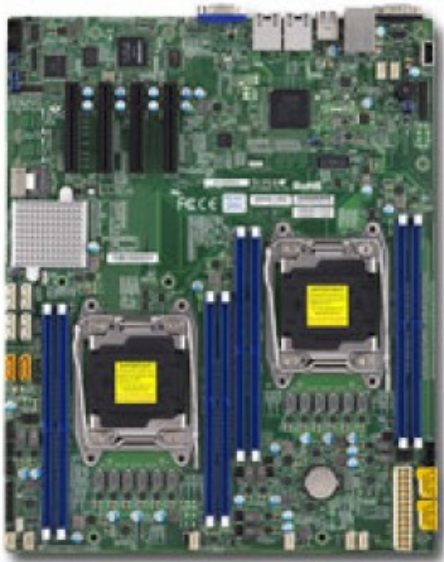


Supermicro MBD-X10DRD-iT, Dual SKT, Intel C612 Chipset, SATA, 2x10GbE, IPMI Bulk

Kod producenta: MBD-X10DRD-iT-B



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	4
# 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	10
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 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-iT-O	• X10DRD-iT (Standard Retail Pack)
MBD-X10DRD-iT-B	• X10DRD-iT (Bulk 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 ^{**})
Cores / Cache	• Dual Socket R3 (LGA 2011)
System Bus	• Up to 22 Cores [†] / Up to 55MB [†] Cache
Note	• 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
Memory Type	• Up to 1TB [†] ECC 3DS LRDIMM, 256GB ECC RDIMM
DIMM Sizes	• 2400 [†] /2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
Memory Voltage	• RDIMM: 32GB, 16GB, 8GB, 4GB
Error Detection	• LRDIMM: 64GB, 32GB
	• 3DS LRDIMM: 128GB
	• 1.2 V
	• Corrects single-bit errors

On-Board Devices

Chipset	• Intel® C612 chipset
AHCI SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
SCU SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
IPMI	• Support for Intelligent Platform Management Interface v.2.0
Network Controllers	• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	• ASPEED AST2400 BMC
	• 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)
	• ASPEED AST2400 BMC

Input / Output

SATA	• 10x SATA3 (6Gbps) ports
LAN	• 2x RJ45 10GBase-T ports
USB	• 1x RJ45 Dedicated IPMI LAN port
Video	• 7x USB 2.0 ports total (4 rear, 2 via headers, 1 Type A)
Serial Port / Header	• 1x VGA port
DOM	• 2x COM Ports (1 rear, 1 header)
TPM	• 2x Super DOM (Disk on Module) ports
	• 1x TPM Header

Chassis (Optimized for X10DRD-iT)

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	• 4x PCI-E 3.0 x8 slots
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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.
FAN	• 6 Phase-switching voltage regulator
	• 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	

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drd-it-dual-skt-intel-c612-chipset-sata-2x10gbe-ipmi-bulk-p-2536.html>