

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

Kod producenta: MBD-X10DRD-iT-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	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 • X10DRD-iT (Standard Retail Pack)
-O

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
SCU 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
• Intel® X540 Dual Port 10GBase-T
• Virtual Machine Device Queues reduce I/O overhead
Network Controllers • Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output
• 1x Realtek RTL8211E PHY (dedicated IPMI)
Video • ASPEED AST2400 BMC

Input / Output

SATA • 10x 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 Super**DOM** (Disk on Module) ports
TPM • 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

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
• Plug and Play (PnP)
• PCI 2.3
BIOS Features • 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.
• 6 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
• Monitoring for CPU and chassis environment
Temperature • 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-p-1335.html>