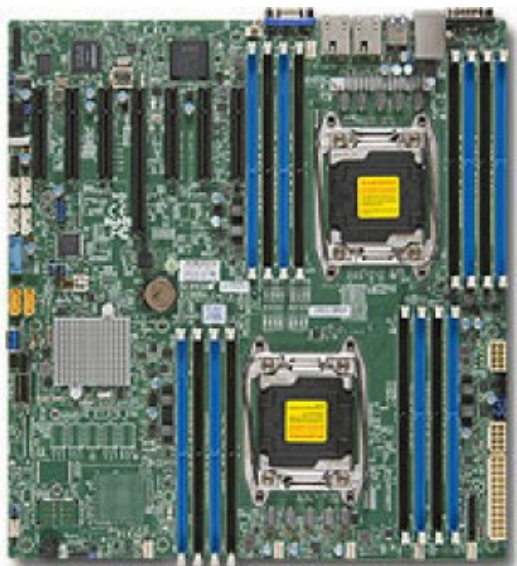


# Supermicro MBD-X10DRH-iT, Dual SKT, Intel C612 Chipset, SATA, 2x10GbE, IPMI Bulk

Kod producenta: MBD-X10DRH-iT-B



Category	Server
Form Factor	E-ATX
Dimensions	12" x 13"
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	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# of PCIe x8 3.0	6
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# 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 RJ45
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

<b>Product SKUs</b>	Chassis (Optimized for X10DRH-IT)	
MBD-X10DRH-IT -0	<ul style="list-style-type: none"> <li>SC26BE1C-R9201.PB</li> <li>SC26BE2C-R9201.PB</li> <li>SC26BAC4-R9201.PB</li> <li>SC216BE1C-R9201.PB</li> <li>SC216BE2C-R9201.PB</li> </ul>	
<b>Physical Stats</b>	2U Chassis:	
Form Factor • E-ATX	3U Chassis:	<ul style="list-style-type: none"> <li>SC436BE1C-R1K38P</li> <li>SC436BE2C-R1K38P</li> <li>SC333TO-R920R</li> </ul>
Dimensions • 12" x 13" (30.5cm x 33.2cm)	Mid/Mini Tower	<ul style="list-style-type: none"> <li>SC732-865B</li> <li>SC732D4E-903B</li> </ul>
<b>Processor/Cache</b>	Chassis:	<ul style="list-style-type: none"> <li>SC743TO-1200B</li> <li>SC847BE1C-R1K281.PB</li> <li>SC847BE2C-R1K281.PB</li> <li>SC436BE1C-R1K38P</li> </ul>
• Intel® Xeon® processor E5-2600 v4 / v3 family (up to 145W TDP*)	4U / Tower Chassis:	<ul style="list-style-type: none"> <li>SC436BE1C-R1K38P</li> <li>To support the new generation Intel® Xeon® processor-based motherboards, <b>Revision M</b> chassis is recommended. Please talk to your sales representative for details.</li> </ul>
• Dual Socket R3 (LGA 2011)		
• Up to <b>22 Cores</b> / Up to <b>55MB</b> Cache		
• QPI up to 9.6 GT/s		
• BIOS version 2.0 or above is required		
• <b>** Motherboard supports this maximum TDP. Please verify your system can thermally support.</b>		
<b>System Memory</b>	SuperServer(s) with X10DRH-IT	
Memory Capacity	<ul style="list-style-type: none"> <li>SSC-6028R-FCR12L</li> <li>SSC-6028R-FCR12H</li> <li>SSC-6048R-FCR36L</li> <li>SSC-6048R-FCR36H</li> <li>SSC-6048R-FCR24L</li> <li>SSC-6048R-FCR24H</li> <li>SSC-6038R-FCR16L</li> <li>SSC-6038R-FCR16H</li> <li>SSC-2028R-FCR24L</li> <li>SSC-2028R-FCR24H</li> <li>SSC-2028R-ACR24L</li> <li>SSC-2028R-ACR24H</li> <li>SSC-6048R-FCR32L</li> </ul>	
• 16x 288-pin DDR4 DIMM slots	Model(s)	
• Up to 2TB ECC 3DS LRDIMM, 1TB ECC RDIMM		
Memory Type		
• 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit		
DIMM Sizes		
• RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB		
• LRDIMM: 64GB, 32GB		
• 3DS LRDIMM: 128GB		
Memory Voltage		
• 1.2 V		
Error Detection		
• Corrects single-bit errors		
<b>On-Board Devices</b>	<b>Expansion Slots</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® C612 chipset</li> </ul>	
AHCI SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>	
SCU SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li> <li>Support for Intelligent Platform Management Interface v.2.0</li> </ul>	
IPMI	<ul style="list-style-type: none"> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2400 BMC</li> <li>Intel® X540 Dual Port 10GBase-T</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8211E PHY (dedicated IPMI)</li> <li>ASPEED AST2400 BMC</li> </ul>	
Network Controllers	<ul style="list-style-type: none"> <li>1x PCIe 3.0 x16</li> <li>6x PCIe 3.0 x8</li> </ul>	
Video	<ul style="list-style-type: none"> <li>1x PCIe 3.0 x8</li> </ul>	
Input / Output	<b>System BIOS</b>	
SATA	<ul style="list-style-type: none"> <li>BIOS Type</li> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> <li>Plug and Play (PnP)</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0 / 3.0 / 4.0</li> <li>USB Keyboard support</li> <li>SM BIOS 2.7.1</li> <li>UEFI 2.3.1</li> </ul>	
LAN	<ul style="list-style-type: none"> <li>Intel® Node Manager 3.0</li> <li>IPMI 2.0</li> <li>SLM</li> <li>SuperDoctor® 5</li> <li>NMI</li> <li>Watch Dog</li> <li>ACPI / APM Power Management</li> <li>Power-on mode for AC power recovery</li> </ul>	
USB	<ul style="list-style-type: none"> <li>1x VGA Connector</li> <li>2x Fast UART 16550 serial Header</li> <li>2x COM Ports (1 rear, 1 header)</li> <li>2x SuperDOM (Disk on Module) ports</li> <li>1x TPM Header</li> </ul>	
Video	<b>PC Health Monitoring</b>	
Serial Port / Header	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages.</li> <li>6 Phase-switching voltage regulator</li> <li>8x 4-pin fan headers (up to 8 fans)</li> <li>8x fans with tachometer monitoring</li> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> <li>Monitoring for CPU and chassis environment</li> <li>CPU thermal trip support</li> <li>Thermal Control for 8x Fan Connectors</li> <li>Thermal Monitor 2 (TM2) support</li> <li>PECI</li> <li>CPU / System Overheat LED</li> <li>Suspend static indicator LED</li> <li>UID/Remote UID</li> <li>Chassis intrusion detection</li> <li>Chassis intrusion header</li> <li>SDDC Support</li> <li>RoHS</li> </ul>	
DOM	<ul style="list-style-type: none"> <li>ACPI / APM Power Management</li> <li>Power-on mode for AC power recovery</li> </ul>	
TPM	<ul style="list-style-type: none"> <li>ACPI / APM Power Management</li> <li>Power-on mode for AC power recovery</li> </ul>	
	<b>Operating Environment</b>	
	<ul style="list-style-type: none"> <li>Operating Temperature</li> <li>10°C - 35°C (50°F - 95°F) Range</li> <li>Non-Operating Temperature</li> <li>-40°C - 70°C (-40°F - 158°F) Range</li> <li>Operating Humidity</li> <li>8% - 90% (non-condensing) Range</li> <li>Non-Operating Humidity</li> <li>Relative Humidity Range</li> </ul>	

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drh-it-dual-skt-intel-c612-chipset-sata-2x10gbe-ipmi-bulk-p-2546.html>