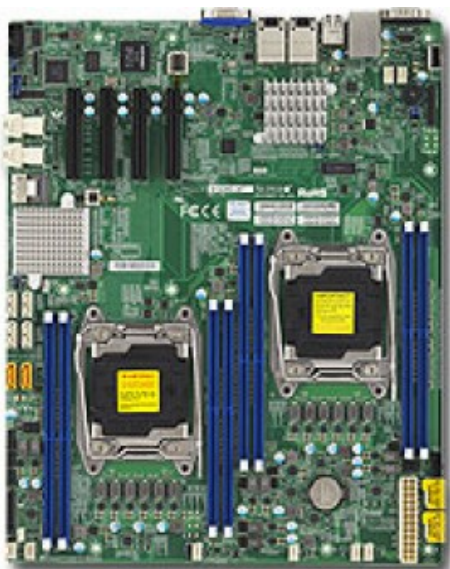


# Supermicro MBD-X10DRD-iNT, Dual SKT, Intel C612 Chipset, SATA, NVMe, 2x10GbE, IPMI

Kod producenta: MBD-X10DRD-iNT-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
# of NVMe ports	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

<u>Product SKUs</u>		<u>Chassis (Optimized for X10DRD-iNT )</u>	
MBD-X10DRD-iNT • X10DRD-iNT (Standard Retail -O Pack)			<ul style="list-style-type: none"> <li>• <a href="#">SC514-441</a></li> <li>• <a href="#">SC514-R400C</a></li> </ul>
<u>Physical Stats</u>		1U Chassis:	<ul style="list-style-type: none"> <li>• <a href="#">SC514-505</a></li> <li>• <a href="#">SC813LT-350CB</a></li> <li>• <a href="#">SC813LT-R500CB</a></li> </ul>
Form Factor • E-ATX		Important Chassis Notes	<ul style="list-style-type: none"> <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>
Dimensions • 13.05" x 10.5" (33.1cm x 26.7cm)			
<u>Processor/Cache</u>		<u>Expansion Slots</u>	
CPU	<ul style="list-style-type: none"> <li>• Intel® Xeon® processor E5-2600 v4/v3 family (up to 145W TDP**) <ul style="list-style-type: none"> <li>• Dual Socket R3 (LGA 2011)</li> </ul> </li> </ul>	PCI-Express	• 4x PCI-E 3.0 x8 slots
Cores / Cache	• Up to <b>22 Cores</b> <sup>†</sup> / Up to <b>55MB</b> <sup>†</sup> Cache	<u>System BIOS</u>	
System Bus	• QPI up to 9.6 GT/s	BIOS Type	<ul style="list-style-type: none"> <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> </ul>
Note	<sup>†</sup> BIOS version 2.0 or above is required	BIOS Features	<ul style="list-style-type: none"> <li>• USB Keyboard support</li> <li>• SMBIOS 2.7.1</li> <li>• UEFI 2.3.1</li> </ul>
Note	<b>** Motherboard supports this maximum TDP. Please verify your system can thermally support.</b>	<u>Management</u>	
<u>System Memory</u>		Software	<ul style="list-style-type: none"> <li>• Intel Node Manager</li> <li>• IPMI 2.0</li> <li>• NMI</li> <li>• <a href="#">SuperDoctor® 5</a></li> <li>• Watch Dog</li> </ul>
Memory Capacity	<ul style="list-style-type: none"> <li>• 8x 288-pin DDR4 DIMM slots</li> <li>• Up to 1TB<sup>†</sup> ECC 3DS LRDIMM, 256GB ECC RDIMM</li> </ul>	Power Configurations	<ul style="list-style-type: none"> <li>• ACPI Power Management</li> <li>• Power-on mode for AC power recovery</li> </ul>
Memory Type	<ul style="list-style-type: none"> <li>• <b>2400</b>/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit</li> <li>• RDIMM: 32GB, 16GB, 8GB, 4GB</li> <li>• LRDIMM: 64GB, 32GB</li> <li>• 3DS LRDIMM: 128GB</li> </ul>	<u>PC Health Monitoring</u>	
DIMM Sizes	<ul style="list-style-type: none"> <li>• 3DS LRDIMM: 128GB</li> </ul>	Voltage	<ul style="list-style-type: none"> <li>• Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, +3.3V Standby, VBAT, Memory Voltages.</li> <li>• 6 Phase-switching voltage regulator</li> </ul>
Memory Voltage	• 1.2 V	FAN	<ul style="list-style-type: none"> <li>• 6x 4-pin fan headers (up to 6 fans)</li> <li>• 6x fans with tachometer monitoring</li> <li>• Status monitor for speed control</li> <li>• Pulse Width Modulated (PWM) fan connectors</li> </ul>
Error Detection	• Corrects single-bit errors	Temperature	<ul style="list-style-type: none"> <li>• Monitoring for CPU and chassis environment</li> <li>• CPU thermal trip support</li> <li>• Thermal Control for 6x 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> </ul>
<u>On-Board Devices</u>		LED	<ul style="list-style-type: none"> <li>• RoHS</li> </ul>
Chipset	• Intel® C612 chipset	<u>Operating Environment</u>	
AHCI SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10	Operating Temperature Range	• 10°C - 35°C (50°F - 95°F)
SCU SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10	Non-Operating Temperature Range	• -40°C - 70°C (-40°F - 158°F)
IPMI	<ul style="list-style-type: none"> <li>• Support for Intelligent Platform Management Interface v.2.0</li> <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> </ul>	Operating Relative Humidity Range	• 8% - 90% (non-condensing)
Network Controllers	<ul style="list-style-type: none"> <li>• Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>• 1x Realtek RTL8211E PHY (dedicated IPMI)</li> </ul>	Non-Operating Relative Humidity Range	
Video	• ASPEED AST2400 BMC		
<u>Input / Output</u>			
SATA	• 10x SATA3 (6Gbps) ports		
NVMe	• 2x Internal NVMe ports (PCI-E 3.0 x4)		
LAN	<ul style="list-style-type: none"> <li>• 2x RJ45 10GBase-T ports</li> <li>• 1x RJ45 Dedicated IPMI LAN port</li> </ul>		
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		

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drd-int-dual-skt-intel-c612-chipset-sata-nvme-2x10gbe-ipmi-p-1337.html>