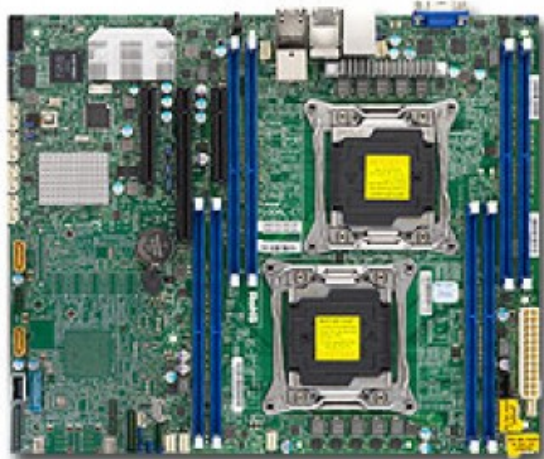


# Supermicro MBD-X10DRL-iT, Dual SKT, Intel C612 Chipset, SATA, 2xGbE, 2x10GbE, IPMI

Kod producenta: MBD-X10DRL-iT-O



Form Factor	ATX
Dimensions	12" x 10"
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 x16 3.0	1
# of PCIe x8 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	6
# of SATA DOM power	1
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x Base-T
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet 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 X10DRL-iT )</u>	
MBD-X10DRL-iT -O		<ul style="list-style-type: none"> <li>• <a href="#">SC813MFTQC-505CB</a></li> <li>• <a href="#">SC514-505</a></li> <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="#">SC113MFAC2-R606CB</a></li> <li>• <a href="#">SC813MFTQ-R606CB</a></li> <li>• <a href="#">SC813MFTQ-R400CB</a></li> <li>• <a href="#">SC813MFTQ-441CB</a></li> <li>• <a href="#">SC113MFAC2-605CB</a></li> </ul>
Form Factor • ATX			
Dimensions • 12" x 10" (30.48cm x 25.4cm)			
<u>Processor/Cache</u>			
CPU	<ul style="list-style-type: none"> <li>• Intel® Xeon® processor E5-2600 v4<sup>†</sup> / v3 family (up to 145W TDP**)</li> <li>• Dual Socket R3 (LGA 2011)</li> </ul>	2U Chassis:	<ul style="list-style-type: none"> <li>• <a href="#">SC823TO-653LPB</a></li> <li>• <a href="#">SC825TO-563LPB</a></li> <li>• <a href="#">SC213AC-R920LPB</a></li> <li>• <a href="#">SC825TO-R740LPB</a></li> <li>• <a href="#">SC833T-653B</a></li> </ul>
Cores / Cache	<ul style="list-style-type: none"> <li>• Up to <b>22 Cores</b><sup>†</sup> / Up to <b>55MB</b><sup>†</sup> Cache</li> </ul>	3U Chassis:	<ul style="list-style-type: none"> <li>• <a href="#">SC836TO-R500B</a></li> <li>• <a href="#">SC836BE1C-R1K03B</a></li> </ul>
System Bus	<ul style="list-style-type: none"> <li>• QPI up to 9.6 GT/s</li> </ul>	Mid/Mini Tower Chassis:	<ul style="list-style-type: none"> <li>• <a href="#">SC732D4F-903B</a></li> <li>• <a href="#">SC732I-500B</a></li> </ul>
Note	<sup>†</sup> BIOS version 2.0 or above is required	4U / Tower Chassis:	<ul style="list-style-type: none"> <li>• <a href="#">SC842TO-665B</a></li> <li>• <a href="#">SC842TO-865B</a></li> </ul>
Note	<b>** Motherboard supports this maximum TDP. Please verify your system can thermally support.</b>	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> <li>• Optional 1U I/O shield MCP-260-00061-0N is required to fit with 1U chassis</li> </ul>
<u>System Memory</u>		<u>Expansion Slots</u>	
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, 512GB ECC RDIMM</li> </ul>	PCI-Express	<ul style="list-style-type: none"> <li>• 1x PCI-E 3.0 x16</li> <li>• 2x PCI-E 3.0 x8</li> </ul>
Memory Type	<ul style="list-style-type: none"> <li>• <b>2400</b>/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit</li> </ul>	<u>System BIOS</u>	
DIMM Sizes	<ul style="list-style-type: none"> <li>• RDIMM: 32GB, 16GB, 8GB, 4GB</li> <li>• LRDIMM: 64GB, 32GB</li> <li>• 3DS LRDIMM: 128GB</li> </ul>	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> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>• 1.2 V</li> </ul>	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI 3.0 / 4.0</li> <li>• USB Keyboard support</li> <li>• SMBIOS 2.7.1</li> <li>• UEFI 2.3.1</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>• Corrects single-bit errors</li> </ul>	<u>Management</u>	
<u>On-Board Devices</u>		Software	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• <a href="#">SPM</a></li> <li>• <a href="#">SUM</a></li> <li>• <a href="#">SuperDoctor® 5</a></li> <li>• Intel® Node Manager 3.0</li> <li>• Watch Dog</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>• Intel® C612 chipset</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>
AHCI SATA	<ul style="list-style-type: none"> <li>• SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>	<u>PC Health Monitoring</u>	
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>	Voltage	<ul style="list-style-type: none"> <li>• Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, Memory Voltages.</li> <li>• 5 Phase-switching voltage regulator</li> <li>• 8x 4-pin fan headers (up to 8 fans)</li> <li>• 8x fans with tachometer monitoring</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 10GBase-T controller</li> <li>• Intel® i210 Gigabit Ethernet controller</li> </ul>	FAN	<ul style="list-style-type: none"> <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> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>• Supports 10GBASE-T, 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>• 1x Realtek RTL8211E PHY (dedicated IPMI)</li> </ul>	Temperature	<ul style="list-style-type: none"> <li>• Thermal Control for 8x Fan Connectors</li> <li>• Thermal Monitor 2 (TM2) support</li> <li>• PECI</li> </ul>
Video	<ul style="list-style-type: none"> <li>• ASPEED AST2400 BMC</li> </ul>	LED	<ul style="list-style-type: none"> <li>• CPU / System Overheat LED</li> <li>• Suspend static indicator LED</li> <li>• UID/Remote UID</li> </ul>
<u>Input / Output</u>		Other Features	<ul style="list-style-type: none"> <li>• Chassis intrusion detection</li> <li>• Chassis intrusion header</li> <li>• RoHS</li> <li>• Dual Cooling Zones</li> </ul>
SATA	<ul style="list-style-type: none"> <li>• 6x SATA3 (6Gbps) ports</li> <li>• I-SATA 4 and I-SATA 5 support SATA DOM</li> </ul>	<u>Operating Environment</u>	
LAN	<ul style="list-style-type: none"> <li>• 2x RJ45 10GBase-T LAN ports</li> <li>• 2x RJ45 Gigabit Ethernet LAN ports</li> <li>• 1x RJ45 Dedicated IPMI LAN port</li> <li>• 4x USB 3.0 ports (2 rear + 2 via header)</li> </ul>	Operating Temperature Range	<ul style="list-style-type: none"> <li>• 10°C - 35°C (50°F - 95°F)</li> </ul>
USB	<ul style="list-style-type: none"> <li>• 3x USB 2.0 ports (2 via header + 1 Type A)</li> </ul>	Non-Operating Temperature Range	<ul style="list-style-type: none"> <li>• -40°C - 70°C (-40°F - 158°F)</li> </ul>
Video	<ul style="list-style-type: none"> <li>• 1x VGA port</li> </ul>	Operating Relative Humidity Range	<ul style="list-style-type: none"> <li>• 8% - 90% (non-condensing)</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>• 1x COM port (1 header)</li> </ul>	Non-Operating Relative Humidity Range	
DOM	<ul style="list-style-type: none"> <li>• 2x SuperDOM (Disk on Module) ports</li> <li>• 1x SATA DOM power connector</li> </ul>		
TPM	<ul style="list-style-type: none"> <li>• 1x TPM Header</li> </ul>		

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drl-it-dual-skt-intel-c612-chipset-sata-2xgbe-2x10gbe-ipmi-p-1357.html>