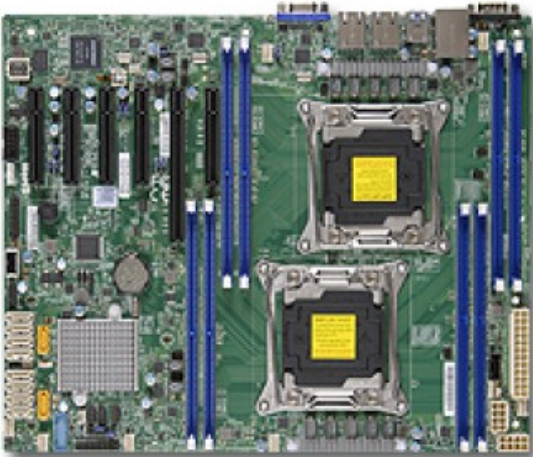


# Supermicro MBD-X10DRL-i, Dual SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI

Kod producenta: MBD-X10DRL-i-O



Category	Server
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 x4 3.0	1
# of PCIe x8 3.0	3
# of PCIe x4 2.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 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	1
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 1GbE Ports	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 slot 3x PCI-E 3.0 x8 slots 1x PCI-E 3.0 x4 (in x8) slot 1x PCI-E 2.0 x4 (in x8) slot

<b>Product SKUs</b>		<b>Chassis (Optimized for X10DRL-i)</b>	
MBD-X10DRL-i -O		<ul style="list-style-type: none"> <li>• X10DRL-i (Standard Retail Pack)</li> </ul>	
<b>Physical Stats</b>			
Form Factor • ATX		1U Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC514-505</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="#">SC514-R400C</a></li> <li>• <a href="#">SC825TO-563LPB</a></li> <li>• <a href="#">SC825TO-R740LPB</a></li> </ul>	
Dimensions • 12" x 10" (30.48cm x 25.4cm)		2U Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC213LT-600LPB</a></li> <li>• <a href="#">SC826TO-R500LPB</a></li> <li>• <a href="#">SC823TO-653LPB</a></li> </ul>	
<b>Processor/Cache</b>		3U Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC836TO-R500B</a></li> <li>• <a href="#">SC833T-653B</a></li> </ul>	
CPU <ul style="list-style-type: none"> <li>• Intel® Xeon® processor E5-2600 v4/ v3 family (up to 145W TDP**)</li> <li>• Dual Socket R3 (LGA 2011)</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>	
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>		4U / Tower Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC842TO-665B</a></li> <li>• <a href="#">SC842TO-865B</a></li> </ul>	
System Bus <ul style="list-style-type: none"> <li>• QPI up to 9.6 GT/s</li> </ul>		Important 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>	
Note <ul style="list-style-type: none"> <li>† BIOS version 2.0 or above is required</li> </ul>			
Note <ul style="list-style-type: none"> <li>** Motherboard supports this maximum TDP. Please verify your system can thermally support.</li> </ul>			
<b>System Memory</b>		<b>SuperServer(s) with X10DRL-i</b>	
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>		Model(s) <ul style="list-style-type: none"> <li>• <a href="#">SYS-6018R-MT</a></li> <li>• <a href="#">SYS-6018R-MTR</a></li> </ul>	
Memory Type <ul style="list-style-type: none"> <li>• <b>2400</b><sup>†</sup>/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit</li> </ul>		<b>Expansion Slots</b>	
DIMM Sizes <ul style="list-style-type: none"> <li>• RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB</li> <li>• LRDIMM: 64GB, 32GB</li> <li>• 3DS LRDIMM: 128GB</li> </ul>		PCI-Express <ul style="list-style-type: none"> <li>• 3 PCI-E 3.0 x8</li> <li>• 1 PCI-E 3.0 x16</li> <li>• 1 PCI-E 3.0 x4 (in x8)</li> <li>• 1 PCI-E 2.0 x4 (in x8)</li> </ul>	
Memory Voltage <ul style="list-style-type: none"> <li>• 1.2 V</li> </ul>		<b>System BIOS</b>	
Error Detection <ul style="list-style-type: none"> <li>• Corrects single-bit errors</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>	
<b>On-Board Devices</b>		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>	
Chipset <ul style="list-style-type: none"> <li>• Intel® C612 chipset</li> </ul>		<b>Management</b>	
AHCI SATA <ul style="list-style-type: none"> <li>• SATA3 (6Gbps); RAID 0, 1, 5, 10</li> </ul>		Software <ul style="list-style-type: none"> <li>• <a href="#">SuperDoctor® 5</a></li> <li>• Intel® Node Manager 3.0</li> <li>• Watch Dog</li> <li>• IPMI 2.0</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>		Power Configurations <ul style="list-style-type: none"> <li>• ACPI Power Management</li> <li>• Power-on mode for AC power recovery</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> </ul>			
Network Controllers <ul style="list-style-type: none"> <li>• Intel® i210 Gigabit Ethernet controller</li> <li>• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>			
Video <ul style="list-style-type: none"> <li>• 1x Realtek RTL8211E PHY (dedicated IPMI)</li> <li>• ASPEED AST2400 BMC</li> </ul>			
<b>Input / Output</b>		<b>PC Health Monitoring</b>	
SATA <ul style="list-style-type: none"> <li>• 10x SATA3 (6Gbps) ports</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>	
LAN <ul style="list-style-type: none"> <li>• 2x RJ45 Gigabit Ethernet LAN ports</li> <li>• 1x RJ45 Dedicated IPMI LAN port</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>	
USB <ul style="list-style-type: none"> <li>• 4x USB 3.0 ports (2 rear + 2 via header)</li> <li>• 5x USB 2.0 ports (2 rear + 2 via header + 1 Type A)</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> <li>• CPU / System Overheat LED</li> <li>• Suspend static indicator LED</li> <li>• UID/Remote UID</li> </ul>	
Video <ul style="list-style-type: none"> <li>• 1x VGA port</li> </ul>		LED <ul style="list-style-type: none"> <li>• Chassis intrusion detection</li> <li>• Chassis intrusion header</li> </ul>	
Serial Port / Header <ul style="list-style-type: none"> <li>• 2x Fast UART 16550 port / 1 Header</li> </ul>		Other Features <ul style="list-style-type: none"> <li>• RoHS</li> <li>• Dual Cooling Zones</li> </ul>	
DOM <ul style="list-style-type: none"> <li>• <a href="#">DOM</a> (Disk on Module) power connector</li> </ul>			
TPM <ul style="list-style-type: none"> <li>• 1x TPM Header</li> </ul>			
		<b>Operating Environment</b>	
		Operating Temperature Range <ul style="list-style-type: none"> <li>• 10°C - 35°C (50°F - 95°F)</li> </ul>	
		Non-Operating Temperature Range <ul style="list-style-type: none"> <li>• -40°C - 70°C (-40°F - 158°F)</li> </ul>	
		Operating Relative Humidity Range <ul style="list-style-type: none"> <li>• 8% - 90% (non-condensing)</li> </ul>	
		Non-Operating Relative Humidity	

*Strona firmowa produktu:*

*<https://www.superstorage.pl/supermicro-mbd-x10drl-dual-skt-intel-c612-chipset-sata-2xgbe-ipmi-p-1356.html>*