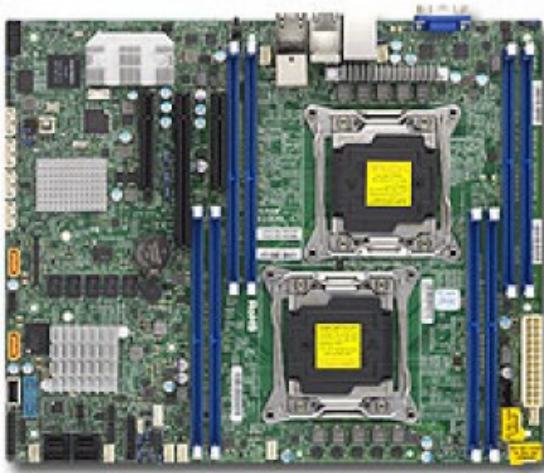


# Supermicro MBD-X10DRL-CT, Dual SKT, Intel C612 Chipset, SATA, LSI 3108 SAS3, 2xGbE, 2x10GbE, IPM

Kod producenta: MBD-X10DRL-CT-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 (rear) 1 x USB 2.0 Type A
# of SATA Ports	6
# of SATA DOM power	1
# of SAS Ports	8
Storage Controllers	6 x AHCI iSATA 6Gb/s LSI 3108 12Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,5,6,10,50,60
# 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

Product SKUs	Chassis (Optimized for X10DRL-CT)
MBD-X10DRL-CT-0	<ul style="list-style-type: none"> <li>• <a href="#">SC813MFTQC-505CB</a></li> <li>• <a href="#">SC314-505</a></li> <li>• <a href="#">SC514-441</a></li> <li>• <a href="#">SC514-R400C</a></li> </ul>
<b>Physical Stats</b>	1U Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC113MFACT2-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="#">SC113MFACT2-605CB</a></li> </ul>
Form Factor • ATX	
Dimensions • 12" x 10" (30.48cm x 25.4cm)	
<b>Processor/Cache</b>	<ul style="list-style-type: none"> <li>• <a href="#">SC2131-T-600L-PB</a></li> <li>• <a href="#">SC826TQ-R500L-PB</a></li> <li>• <a href="#">SC827Q-653L-PB</a></li> <li>• <a href="#">SC825TQ-563L-PB</a></li> <li>• <a href="#">SC213AC-R920L-PB</a></li> <li>• <a href="#">SC825TQ-R740L-PB</a></li> <li>• <a href="#">SC837T-653B</a></li> <li>• <a href="#">SC836TQ-R500B</a></li> <li>• <a href="#">SC836E1C-R1K03B</a></li> </ul>
CPU • Intel® Xeon® processor E5-2600 v4/v3 family (up to 145W TDP**)	2U Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC732D4F-903B</a></li> <li>• <a href="#">SC732L-500B</a></li> </ul>
• Dual Socket R3 (LGA 2011)	Chassis:
Cores / Cache • Up to <b>22 Cores</b> / Up to <b>55MB</b> Cache	4U / Tower Chassis: <ul style="list-style-type: none"> <li>• <a href="#">SC842TQ-665B</a></li> <li>• <a href="#">SC842TQ-865B</a></li> </ul>
System Bus • QPI up to 9.6 GT/s	
Note • BIOS version 2.0 or above is required	
Note • <b>Motherboard supports this maximum TDP. Please verify your system can thermally support.</b>	Mid/Mini Tower Chassis: <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>
<b>System Memory</b>	
Memory Capacity • 8x 288-pin DDR4 DIMM slots	
• Up to 1TB ECC 3DS LRDIMM, 512GB ECC 3DIMM	Important Chassis Notes
Memory Type • <b>2400/2133/1866/1600MHz ECC</b> DDR4 SDRAM 72-bit	
DIMM Sizes • RDIMM: 32GB, 16GB, 8GB, 4GB	
• LRDIMM: 64GB, 32GB	
• 3DS LRDIMM: 128GB	
Memory Voltage • 1.2 V	SuperServer(s) with X10DRL-CT
Error Detection • Corrects single-bit errors	Model(s) <ul style="list-style-type: none"> <li>• <a href="#">SYS-1028R-MCTR</a></li> <li>• <a href="#">SYS-1028R-MCT</a></li> </ul>
<b>On-Board Devices</b>	
Chipset • Intel® C612 chipset	Expansion Slots
AHCI SATA • SATA3 (6Gbps); RAID 0, 1, 5, 10	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>
SCU SATA • SATA3 (6Gbps); RAID 0, 1, 5, 10	
• LSI 3108 SAS3 (12Gbps) controller; 2GB cache with SuperCap backup option; HW RAID 0, 1, 5, 6, 10, 50, 60	System BIOS
SAS • Supports up to 16 devices as default, more HDD devices support is also available as an option *	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 3.0 / 4.0</li> <li>• USB Keyboard support</li> <li>• SMBIOS 2.7.1</li> <li>• UEFI 2.3.1</li> </ul>
For special SKU, please contact your Supermicro Sales.	BIOS Features
• Support for Intelligent Platform Management Interface v.2.0	
IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	Management <ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• SPM</li> <li>• SLIM</li> <li>• <a href="#">SuperDoctor 5</a></li> <li>• Intel® Node Manager 3.0</li> <li>• Watch Dog</li> <li>• ACPI Power Management</li> </ul>
• ASPEED AST2400 BMC	Power Configurations <ul style="list-style-type: none"> <li>• Power-on mode for AC power recovery</li> </ul>
• Intel® X540 10GBase-T controller	
• Intel® I210 Gigabit Ethernet controller	
Network Controllers • Supports 10GBASE-T, 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output	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>• ACPI Power Management</li> </ul>
• 1x Realtek RTL8211E PHY (dedicated IPMI)	
Video • ASPEED AST2400 BMC	
<b>Input / Output</b>	PC Health Monitoring
SAS • 8x SAS3 (12Gbps) ports	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> </ul>
SATA • 6x SATA3 (6Gbps) ports	FAN <ul style="list-style-type: none"> <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> </ul>
• I-SATA 4 and I-SATA 5 support SATA DOM	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 8x Fan Connectors</li> <li>• Thermal Monitor 2 (TM2) support</li> <li>• PECE</li> </ul>
LAN • 2x RJ45 10GBase-T LAN ports	LED <ul style="list-style-type: none"> <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>• RoHS</li> <li>• Dual Cooling Zones</li> </ul>
• 2x RJ45 Gigabit Ethernet LAN ports	
• 1x RJ45 Dedicated IPMI LAN port	
• 4x USB 3.0 ports (2 rear + 2 via header)	
USB • 3x USB 2.0 ports (2 via header + 1 Type A)	
Video • 1x VGA port	
Serial Port / Header • 1x COM port (1 header)	
DOM • 2x SuperDOM (Disk on Module) ports	
• 1x SATA DOM power connector	
TPM • 1x TPM Header	
	Operating Environment
	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 Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drl-ct-dual-skt-intel-c612-chipset-sata-lsi-3108-sas3-2x-gbe-2x10gbe-ipm-p-1359.html>