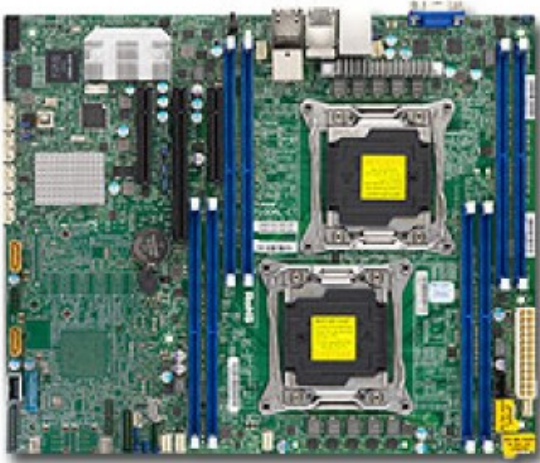


Supermicro MBD-X10DRL-iT, Dual SKT, Intel C612 Chipset, SATA, 2xGbE, 2x10GbE, IPMI Bulk

Kod producenta: MBD-X10DRL-iT-B



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

Product SKUs	Chassis (Optimized for X10DRL-iT)	
MBD-X10DRL-iT -O	• X10DRL-iT (Standard Retail Pack)	<ul style="list-style-type: none"> • SC813MFTQC-505CB • SC514-505 • SC514-441 • SC514-R400C
Physical Stats	1U Chassis:	<ul style="list-style-type: none"> • SC113MFAC2-R606CB • SC813MFTQ-R606CB • SC813MFTQ-R400CB • SC813MFTQ-441CB • SC113MFAC2-605CB
Form Factor • ATX		
Dimensions • 12" x 10" (30.48cm x 25.4cm)		
Processor/Cache	2U Chassis:	<ul style="list-style-type: none"> • SC213LT-600LPB • SC826TO-R500LPB • SC823TO-653LPB • SC825TO-563LPB • SC213AC-R920LPB • SC825TO-R740LPB • SC833T-653B
CPU		
• Intel® Xeon® processor E5-2600 v4 ¹ / v3 family (up to 145W TDP ^{**})		
• Dual Socket R3 (LGA 2011)		
Cores / Cache		
• Up to 22 Cores ¹ / Up to 55MB ¹ Cache		
System Bus	3U Chassis:	<ul style="list-style-type: none"> • SC836TO-R500B • SC836BE1C-R1K03B
• QPI up to 9.6 GT/s		
Note		
¹ BIOS version 2.0 or above is required		
Note	Mid/Mini Tower Chassis:	<ul style="list-style-type: none"> • SC732D4F-903B • SC732I-500B
** Motherboard supports this maximum TDP. Please verify your system can thermally support.		
System Memory	4U / Tower Chassis:	<ul style="list-style-type: none"> • SC842TO-665B • SC842TO-865B
Memory Capacity		<ul style="list-style-type: none"> • To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details. • Optional 1U I/O shield MCP-260-00061-0N is required to fit with 1U chassis
• 8x 288-pin DDR4 DIMM slots		
• Up to 1TB ¹ ECC 3DS LRDIMM, 512GB ECC RDIMM		
Memory Type	Important Chassis Notes	
• 2400 /2133/1866/1600MHz ECC DDR4 SDRAM 72-bit		
DIMM Sizes		
• RDIMM: 32GB, 16GB, 8GB, 4GB		
• LRDIMM: 64GB, 32GB		
• 3DS LRDIMM: 128GB		
Memory Voltage		
• 1.2 V		
Error Detection		
• Corrects single-bit errors		
On-Board Devices	Expansion Slots	
Chipset	PCI-Express	<ul style="list-style-type: none"> • 1x PCI-E 3.0 x16 • 2x PCI-E 3.0 x8
AHCI SATA		
• Intel® C612 chipset		
SCU SATA		
• SATA3 (6Gbps); RAID 0, 1, 5, 10		
IPMI	System BIOS	
• SATA3 (6Gbps); RAID 0, 1, 5, 10	BIOS Type	<ul style="list-style-type: none"> • 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • PCI 2.3
• Support for Intelligent Platform Management Interface v.2.0	BIOS Features	<ul style="list-style-type: none"> • ACPI 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1
• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support		
• ASPEED AST2400 BMC	Management	
• Intel® X540 10GBase-T controller		
• Intel® i210 Gigabit Ethernet controller		
Network Controllers		
• Supports 10GBASE-T, 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		
• 1x Realtek RTL8211E PHY (dedicated IPMI)	Software	<ul style="list-style-type: none"> • IPMI 2.0 • SPM • SUM • SuperDoctor® 5 • Intel® Node Manager 3.0 • Watch Dog • ACPI Power Management
Video	Power Configurations	<ul style="list-style-type: none"> • Power-on mode for AC power recovery
• ASPEED AST2400 BMC		
Input / Output	PC Health Monitoring	
SATA	Voltage	<ul style="list-style-type: none"> • Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, Memory Voltages. • 5 Phase-switching voltage regulator • 8x 4-pin fan headers (up to 8 fans) • 8x fans with tachometer monitoring
• 6x SATA3 (6Gbps) ports		
• I-SATA 4 and I-SATA 5 support SATA DOM	FAN	<ul style="list-style-type: none"> • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors • Monitoring for CPU and chassis environment • CPU thermal trip support
LAN		
• 2x RJ45 10GBase-T LAN ports	Temperature	<ul style="list-style-type: none"> • Thermal Control for 8x Fan Connectors • Thermal Monitor 2 (TM2) support • PECI
• 2x RJ45 Gigabit Ethernet LAN ports		
• 1x RJ45 Dedicated IPMI LAN port	LED	<ul style="list-style-type: none"> • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
• 4x USB 3.0 ports (2 rear + 2 via header)		
USB	Other Features	<ul style="list-style-type: none"> • Chassis intrusion detection • Chassis intrusion header • RoHS • Dual Cooling Zones
• 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	• 10°C - 35°C (50°F - 95°F)
	Non-Operating Temperature Range	• -40°C - 70°C (-40°F - 158°F)
	Operating Relative Humidity Range	• 8% - 90% (non-condensing)
	Non-Operating Relative Humidity Range	

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drl-it-dual-skt-intel-c612-chipset-sata-2xgbe-2x10gbe-ipmi-bulk-p-2554.html>