

Supermicro MBD-X10DRD-LTP, Dual SKT, Intel C612 Chipset, SATA, 2x10Gb SFP+, IPMI

Kod producenta: MBD-X10DRD-LTP-O



Category	Server
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	1
# 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	6
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 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 SFP+
Network Controllers	Intel 82599ES Dual port 10Gigabit SFP+
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Product SKUs	MBD-X10DRD-LTP • X10DRD-LTP (Standard Retail Pack)	Chassis (Optimized for X10DRD-LTP)	<ul style="list-style-type: none"> • SC815TO-R500CB • SC514-505 • SC514-441 • SC514-R400C
Physical Stats	Form Factor • E-ATX Dimensions • 13.05" x 10.5" (33.1cm x 26.7cm)	1U Chassis:	<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 I/O shield MCP-260-00095-0N will require in 1U chassis
Processor/Cache	<ul style="list-style-type: none"> • Intel® Xeon® processor E5-2600 v4/v3 family (up to 145W TDP**) • Dual Socket R3 (LGA 2011) 	Important Chassis Notes	
CPU	<ul style="list-style-type: none"> • Up to 22 Cores¹ / Up to 55MB¹ Cache • QPI up to 9.6 GT/s 	SuperServer(s) with X10DRD-LTP	<ul style="list-style-type: none"> • SYS-6018R-TDTP • SYS-6018R-TDTPR
Cores / Cache	<ul style="list-style-type: none"> • QPI up to 9.6 GT/s 	Model(s)	
System Bus	<ul style="list-style-type: none"> • BIOS version 2.0 or above is required 	Expansion Slots	<ul style="list-style-type: none"> • 1x PCI-E 3.0 x8 slot
Note	<ul style="list-style-type: none"> • ** Motherboard supports this maximum TDP. Please verify your system can thermally support. 	System BIOS	
System Memory	<ul style="list-style-type: none"> • 8x 288-pin DDR4 DIMM slots • Up to 1TB¹ ECC 3DS LRDIMM, 512GB ECC RDIMM 	BIOS Type	<ul style="list-style-type: none"> • 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • PCI 2.3
Memory Capacity	<ul style="list-style-type: none"> • 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit 	BIOS	<ul style="list-style-type: none"> • ACPI 1.0 / 2.0 / 3.0 / 4.0
Memory Type	<ul style="list-style-type: none"> • RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB • LRDIMM: 64GB, 32GB • 3DS LRDIMM: 128GB 	Features	<ul style="list-style-type: none"> • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1
DIMM Sizes	<ul style="list-style-type: none"> • 1.2 V 	Management	
Memory Voltage	<ul style="list-style-type: none"> • Corrects single-bit errors 	Software	<ul style="list-style-type: none"> • Intel Node Manager • IPMI 2.0 • NMI • SuperDoctor@ 5 • Watch Dog
Error Detection		Power Configurations	<ul style="list-style-type: none"> • ACPI Power Management • Power-on mode for AC power recovery
On-Board Devices		PC Health Monitoring	
Chipset	<ul style="list-style-type: none"> • Intel® C612 chipset 	Voltage	<ul style="list-style-type: none"> • Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, +3.3V Standby, VBAT, Memory Voltages. • 4 Phase-switching voltage regulator • 8x 4-pin fan headers (up to 8 fans) • 8x fans with tachometer monitoring
AHCI SATA	<ul style="list-style-type: none"> • SATA3 (6Gbps); RAID 0, 1, 5, 10 	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
SCU SATA	<ul style="list-style-type: none"> • SATA3 (6Gbps); RAID 0, 1, 5, 10 • Support for Intelligent Platform Management Interface v.2.0 	Temperature	<ul style="list-style-type: none"> • Thermal Control for 8x Fan Connectors • Thermal Monitor 2 (TM2) support • PECI • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
IPMI	<ul style="list-style-type: none"> • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2400 BMC • Intel® 82599ES Dual port 10G SFP+ Virtual Machine Device Queues reduce I/O overhead 	LED	<ul style="list-style-type: none"> • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
Network Controllers	<ul style="list-style-type: none"> • Supports 10G SFP+ • 1x Realtek RTL8201N PHY (dedicated IPMI) 	Other Features	<ul style="list-style-type: none"> • RoHS
Video	<ul style="list-style-type: none"> • ASPEED AST2400 BMC 	Operating Environment	
Input / Output		Operating Temperature Range	<ul style="list-style-type: none"> • 10°C - 35°C (50°F - 95°F)
SATA	<ul style="list-style-type: none"> • 6x SATA3 (6Gbps) ports • 2x 10 Gigabit Ethernet SFP+ ports 	Non-Operating Temperature Range	<ul style="list-style-type: none"> • -40°C - 70°C (-40°F - 158°F)
LAN	<ul style="list-style-type: none"> • 1x RJ45 Dedicated IPMI LAN port 	Operating Relative Humidity Range	<ul style="list-style-type: none"> • 8% - 90% (non-condensing)
USB	<ul style="list-style-type: none"> • 7x USB 2.0 ports total (4 rear, 2 via headers, 1 Type A) 	Non-Operating Relative Humidity Range	
Video	<ul style="list-style-type: none"> • 1x VGA port 		
Serial Port / Header	<ul style="list-style-type: none"> • 2x COM Ports (1 rear, 1 header) 		
DOM	<ul style="list-style-type: none"> • 2x SuperDOM (Disk on Module) ports 		
TPM	<ul style="list-style-type: none"> • 1x TPM Header 		

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drd-ltp-dual-skt-intel-c612-chipset-sata-2x10gb-sfp-ipmi-p-1340.html>