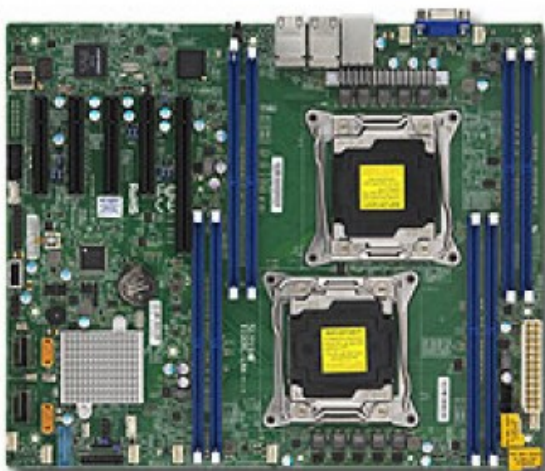


Supermicro MBD-X10DRL-LN4, Dual SKT, Intel C612 Chipset, SATA, 4xGbE, IPMI

Kod producenta: MBD-X10DRL-LN4-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 E5-2600v4 Intel Xeon E5-2600v3
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	2
# of PCIe x4 2.0	1
# of USB Ports	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
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 (header)
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i350 Quad 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 2x PCI-E 3.0 x8 1x PCI-E 3.0 x4 (in x8 slot) 1x PCI-E 2.0 x4 (in x8 slot)

Product SKUs

MBD-X10DRL-LN4 • X10DRL-LN4 (Standard Retail -O Pack)
MBD-X10DRL-LN4 • X10DRL-LN4 (Bulk Pack) -B

Physical Stats

Form Factor • ATX
Dimensions • 12" x 10" (30.48cm x 25.4cm)

Processor/Cache

CPU • Intel® Xeon® processor E5-2600 v4/v3 family (up to 145W TDP**) • Dual Socket R3 (LGA 2011)
Cores / Cache • Up to **22 Cores**[†] / Up to **55MB**[†] Cache
System Bus • QPI up to 9.6 GT/s
Note [†] BIOS version 2.0 or above is required
Note **** Motherboard supports this maximum TDP. Please verify your system can thermally support.**

System Memory

Memory Capacity • 8x 288-pin DDR4 DIMM slots • Up to 1TB[†] ECC 3DS LRDIMM, 1TB ECC RDIMM
Memory Type • **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

Chipset • Intel® C612 chipset
AHCI SATA • SATA3 (6Gbps); RAID 0, 1, 5, 10
SCU SATA • SATA3 (6Gbps); RAID 0, 1, 5, 10 • Support for Intelligent Platform Management Interface v.2.0
IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2400 BMC
Network Controllers • Intel® i350 Gigabit Ethernet controller • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8211E PHY (dedicated IPMI)
Video • ASPEED AST2400 BMC

Input / Output

SATA • 10x SATA3 (6Gbps) ports
LAN • 4x RJ45 Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port
USB • 2x USB 3.0 ports (2 via header) • 5x USB 2.0 ports (2 rear, 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
TPM • 1x TPM Header

Chassis (Optimized for X10DRL-LN4)

2U Chassis: • [SC823TQ-653LPB](#) • [SC825TQ-563LPB](#) • [SC825TQ-R740LPB](#) • [SC213LT-600LPB](#)
3U Chassis: • [SC833T-653B](#)
Mid/Mini Tower • [SC732i-500B](#)
Chassis:
4U / Tower Chassis: • [SC842TQ-665B](#) • [SC842TQ-865B](#)
• To support the new generation Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

Expansion Slots

PCI-Express • 1x PCI-E 3.0 x16 • 2x PCI-E 3.0 x8 • 1x PCI-E 3.0 x4 (in x8 slot) • 1x PCI-E 2.0 x4 (in x8 slot)

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • PCI 2.3
BIOS Features • ACPI 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1

Management

Software • IPMI 2.0 • KVM with dedicated LAN • [SPM](#) • [SUM](#) • [SuperDoctor® 5](#) • Watch Dog
Power Configurations • ACPI Power Management • Power-on mode for AC power recovery

PC Health Monitoring

Voltage • Monitors for CPU Cores, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility • 5 Phase-switching voltage regulator • 8x 4-pin fan headers (up to 8 fans) • 8x fans with tachometer monitoring
FAN • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors • Monitoring for CPU and chassis environment • CPU thermal trip support
Temperature • Thermal Control for 8x Fan Connectors • Thermal Monitor 2 (TM2) support • PECI
LED • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
Other Features • Chassis intrusion detection • Chassis intrusion header • RoHS • Dual Cooling Zones

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-ln4-dual-skt-intel-c612-chipset-sata-4xgbe-ipmi-p-2756.html>