

Supermicro MBD-X10DRC-LN4+, Dual SKT, Intel C612 Chipset, SATA, LSI 3108 SAS3, 4xGbE, IPMI Bulk

Kod producenta: MBD-X10DRC-LN4+-B

Category	Workstation
Form Factor	EE-ATX
Dimensions	13.7" x 13"
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	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	2
# 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 (internal) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (internal)
# of SATA Ports	10
# of SATA DOM power	2
# of SAS Ports	8
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 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 (rear) 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: 2x PCI-E 3.0 x16 slots 3x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x4 (in x8 slot) 1x PCIe 2.0 x1 (in x8 slot)



Product SKUs

MBD-X10DRC-LN4+
-O

- X10DRC-LN4+ (Bulk Pack)

Physical Stats

Form Factor • Enhanced Extended ATX
Dimensions • 13.68" x 13" (34.74cm x 33cm)

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
**** Motherboard supports this maximum TDP. Please verify your system can thermally support.**
Note

System Memory

Memory Capacity • 24x 288-pin DDR4 DIMM slots • Up to 3TB[†] ECC 3DS LRDIMM, 768GB 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 • LSI 3108 SAS3 (12Gbps) controller; HW RAID 0, 1, 5, 6, 10, 50, 60 • 2GB Cache with optional SuperCap backup module
SAS • Supports up to 16 devices as default, more HDD devices support is also available as an option *
AHCI SATA SCU SATA For special SKU, please contact your Supermicro Sales.
• SATA3 (6Gbps); RAID 0, 1, 5, 10
• 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 Quad Port Gigabit Ethernet • Virtual Machine Device Queues reduce I/O overhead • Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8211E PHY (dedicated IPMI)
Video • ASPEED AST2400 BMC • Video resolution up to 1920x1200 @ 60Hz 32BPP

Input / Output

SATA • 10x SATA3 (6Gbps) ports
SAS • 8x SAS3 (12Gbps) ports • SuperCap option support
LAN • 4x RJ45 Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port
USB • 5x USB 3.0 (2 rear, 2 internal, 1 Type A) • 4x USB 2.0 (2 rear, 2 internal)
Video • 1x VGA port
Serial Port / Header • 2x Fast UART 16550 serial • 2x COM Ports (1 rear, 1 header)
DOM • 2x Super**DOM** (Disk on Module) ports
TPM • 1x TPM Header

Chassis (Optimized for X10DRC-LN4+)

2U Chassis: • [SC826BE1C-R920LPB](#) • [SC216BAC-R920LPB](#) • [SC826BAC4-R920LPB](#) • [SC216BE1C-R920LPB](#) • [SC826BE2C-R920LPB](#) • [SC216BE2C-R920LPB](#)
3U Chassis: • [SC836BE1C-R1K03B](#) • [SC835BTO-R1K28B](#)
4U / Tower Chassis: • [SC847BE1C-R1K28LPB](#) • [SC846BE1C-R1K28B](#) • [SC745TQ-R920B](#)
Important Chassis Notes Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

SuperServer(s) with X10DRC-LN4+

Model(s) • [SYS-7048R-C1R4+](#) • [SYS-2028R-C1R4+](#)

Expansion Slots

PCI-Express • 2x PCI-E 3.0 x16 • 3x PCI-E 3.0 x8 • 1x PCI-E 2.0 x4 (in x8)

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with UEFI BIOS • Plug and Play (PnP) • PCI 2.3
BIOS Features • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1

Management

Software • Intel® Node Manager 3.0 • NMI • [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, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. • 6 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
Temperature • Monitoring for CPU and chassis environment • CPU thermal trip support • 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 • SDDC Support • RoHS

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 • 5% - 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drc-ln4-dual-skt-intel-c612-chipset-sata-lsi-3108-sas3-4xgbe-ipmi-bulk-p-2531.html>