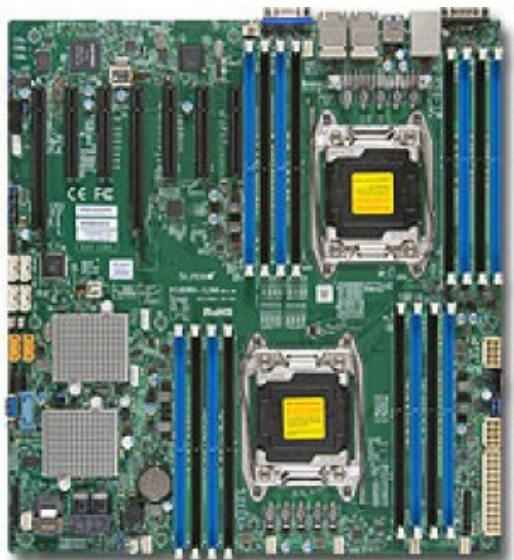


Supermicro MBD-X10DRH-iLN4, Dual SKT, Intel C612 Chipset, SATA, 4xGbE Bulk

Kod producenta: MBD-X10DRH-iLN4-B



Category	Server
Form Factor	E-ATX
Dimensions	12" x 13"
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	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	2
# of PCIe x4 3.0	1
# of PCIe x8 3.0	4
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 4 x USB 2.0 (header)
# 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 (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: 1x PCI-E 3.0 x4 (in x8) slot

Product SKUs

MBD-X10DRH-iLN4 -O • X10DRH-iLN4 (Retail Pack)

MBD-X10DRH-iLN4 -B • X10DRH-iLN4 (Bulk Pack)

Physical Stats

Form Factor • E-ATX

Dimensions • 12" x 13" (30.5cm x 33.2cm)

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 • 16x 288-pin DDR4 DIMM slots • Up to 2TB† ECC 3DS LRDIMM, 512GB 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

• Intel® i350 Quad Gigabit Ethernet LAN

Network Controllers • Virtual Machine Device Queues reduce I/O overhead

Video • ASPEED AST2400 BMC

Input / Output

SATA • 10x SATA3 (6Gbps) ports

LAN • 4x RJ45 Gigabit Ethernet LAN ports

• 1x RJ45 Dedicated IPMI LAN port

• 5x USB 3.0 ports (2 rear + 2 via header + 1 Type A)

• 4x USB 2.0 ports (4 via headers)

Video • 1x VGA Connector

Serial Port / Header • 1x Fast UART 16550 serial

• 2x COM Ports (1 rear, 1 header)

DOM • 2x SuperDOM (Disk on Module) ports

TPM • 1x TPM 1.2 20-pin Header

Expansion Slots

PCI-Express • 2x PCI-E 3.0 x16 • 4x PCI-E 3.0 x8 • 1x PCI-E 3.0 x4 (in x8)

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS

• Plug and Play (PnP)

• PCI 2.3

BIOS • ACPI 1.0 / 2.0 / 3.0 / 4.0

Features • USB Keyboard support

• SMBIOS 2.7.1

• UEFI 2.3.1

Management

• Intel® Node Manager 3.0

• [IPMI 2.0](#)

• NMI

• [SPM](#)

• SSM

• [SUM](#)

• [SuperDoctor® III](#)

• [SuperDoctor® 5](#)

• Watch Dog

Power • ACPI / APM Power Management

Configurations • Power-on mode for AC power recovery

PC Health Monitoring

• 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

• 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

• Chassis intrusion detection

Other • Chassis intrusion header

Features • SDDC Support

• RoHS

Operating Environment

Operating Temperature • 10°C - 35°C (50°F - 95°F)

Range

Non-Operating Temperature • -40°C - 70°C (-40°F - 158°F)

Range

Operating Relative Humidity • 8% - 90% (non-condensing)

Range

Non-Operating Relative Humidity • 5% - 95% (non-condensing)

Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drh-iln4-dual-skt-intel-c612-chipset-sata-4xgbe-bulk-p-2545.html>