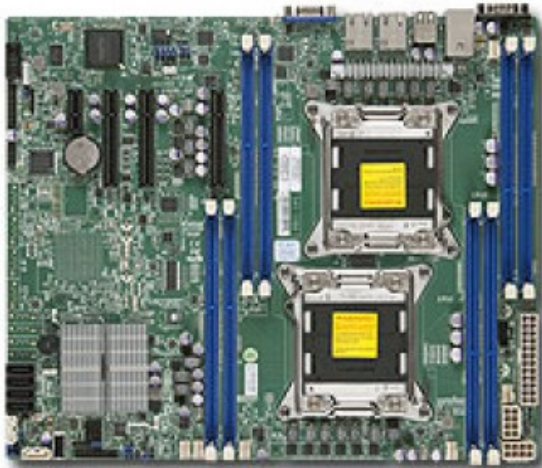


# Supermicro MBD-X9DRL-EF, Dual SKT, Intel C602 Chipset, SATA, 2xGbE, IPMI Bulk

Kod producenta: MBD-X9DRL-EF-B



Form Factor	ATX
Dimensions	12" x 10"
CPU Socket	LGA 2011 (Socket R)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v2 Intel Xeon E5-2600
Chipset	Intel C602J Patsburg
Memory Type	DDR3 ECC LRDIMM DDR3 ECC RDIMM DDR3 ECC UDIMM DDR3 non-ECC UDIMM
Memory Speed	1866 MHz 1600 MHz 1333 MHz 1066 MHz 800 MHz
# of DIMM's	8
Max Memory Size	512 GB
Integrated GPU	Matrox G200eW
# of PCIe x8 3.0	2
# of PCIe x4 2.0	1
# of PCIe x1 2.0	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	1
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/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	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Nuvoton WPCM450
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x4 (in x8) slot 1x PCI-E 2.0 x1 slot

## Product SKUs

MBD-X9DRL-EF-O • X9DRL-EF (Standard Retail Pack)  
MBD-X9DRL-EF-B • X9DRL-EF (Bulk Pack)

## Physical Stats

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

## Processor/Cache

CPU • **Intel® Xeon® processor E5-2600 and E5-2600 v2** family<sup>1</sup> (up to 130W TDP\*\*) • Dual Socket R (LGA 2011)

Cache • Up to 30MB

System Bus • QPI up to 8 GT/s

Note † BIOS version 3.0 or above is required

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

## System Memory

Memory Capacity • 8x 240-pin DDR3 DIMM slots • Up to 512GB DDR3 ECC LRDIMM • Up to 256GB DDR3 ECC RDIMM • Up to 64GB DDR3 ECC/non-ECC UDIMM

Memory Type • 1866/1600/1333/1066/800MHz\* ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs • Support ECC and non-ECC UDIMMs

DIMM Sizes • 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM

Memory Voltage • 1.5 V, 1.35 V

Error Detection • Corrects single-bit errors • Detects double-bit errors (using ECC memory)

\* Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.

## On-Board Devices

Chipset • Intel® C602J chipset

SATA • SATA 2.0 3Gb/s with RAID 0, 1, 5, 10 • SATA 3.0 6Gb/s with RAID 0, 1, 10 • Support for Intelligent Platform Management Interface v.2.0

IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • Nuvoton WPCM450 BMC

Network Controllers • Intel® i210 Gigabit Ethernet • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8201F PHY (dedicated IPMI)

Video • Matrox G200eW

## Input / Output

SATA • 2 SATA 3.0 ports (6Gb/s) • 4 SATA 2.0 ports (3Gb/s)

LAN • 2 RJ45 Gigabit Ethernet LAN ports • 1 RJ45 Dedicated IPMI LAN port

USB • 7 USB 2.0 ports total (4 rear + 2 via header + 1 Type A)

Video • 1 VGA port

Serial Port / Header • Total of 2 COM ports: 1 rear, 1 via header

DOM • 1 DOM (Disk on Module) power connector

TPM • 1 TPM Header

## Chassis (Optimized for X9DRL-EF)

1U Chassis • [CSE-813MFTQ-441CB](#) • [CSE-813MFTQ-R400CB](#)

2U Chassis • [CSE-826TQ-653B](#)

3U Chassis • [CSE-833T-653B](#)

Mid-Tower • [CSE-732i-500B](#)

Tower / 4U Rackmount • [CSE-842TQ-665B](#) • [CSE-842TQ-865B](#)

Important Chassis Notes • To support the new generation Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

## SuperServer(s) with X9DRL-EF

Model(s) • [SYS-6017R-MTLF](#)

## Expansion Slots

PCI-Express • 2 PCI-E 3.0 x8 • 1 PCI-E 2.0 x4 (in x8) • 1 PCI-E 2.0 x1

## System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features • Plug and Play (PnP) • APM 1.2 • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1

## Management

Software • [SuperDoctor® III](#) • Watch Dog • IPMI 1.5 / 2.0

Power Configurations • ACPI / APM Power Management • Power-on mode for AC power recovery

## PC Health Monitoring

Voltage • Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. • 5+1 Phase-switching voltage regulator

FAN • PCH cores (1.1V and 1.5V) • 6x 4-pin fan headers with tachometer monitoring • 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 6x 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, Halogen Free • 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-x9drl-ef-dual-skt-intel-c602-chipset-sata-2xgbe-ipmi-bulk-p-2628.html>