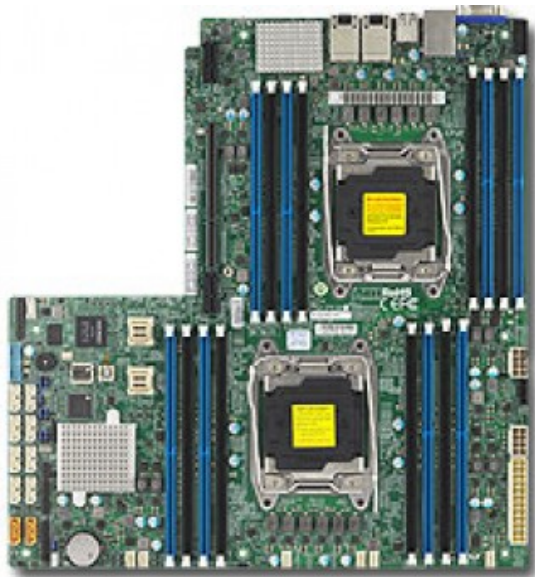


# Supermicro MBD-X10DRW-NT, Dual SKT, Intel C612 Chipset, SATA, NVMe, 2x10GbE, IPMI

Kod producenta: MBD-X10DRW-NT-O



Category	Server
Form Factor	WIO Proprietary
Dimensions	12.3" 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 USB Ports	2 x USB 3.0 (header) 4 x USB 2.0 (rear)
# of SATA Ports	10
# of NVMe ports	2
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 10GbE Ports	2 x RJ45
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	1 PCI-E 3.0 x32 Left Riser Slot

## Product SKUs

- MBD-X10DRW-NT-B • X10DRW-NT (Bulk Pack)  
MBD-X10DRW-NT-O • X10DRW-NT (Retail Pack)

## Physical Stats

- Form Factor • Proprietary WIO  
Dimensions • 12.3" x 13" (31.2cm x 33.0cm)

## Processor/Cache

- CPU • Intel® Xeon® processor E5-2600 v4<sup>†</sup>/v3 family (up to 145W TDP<sup>\*\*</sup>)  
• Dual Socket R3 (LGA 2011)  
Cores / Cache • Up to **22 Cores**<sup>†</sup> / Up to **55MB**<sup>†</sup> Cache  
System Bus • QPI up to 9.6 GT/s  
Note • <sup>†</sup> BIOS version 2.0 or above is required  
• **\*\* 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<sup>†</sup> ECC 3DS LRDIMM, 512GB ECC RDIMM  
Memory Type • **2400**<sup>†</sup>/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® X540 Dual Port 10GBase-T  
• Virtual Machine Device Queues reduce I/O overhead  
Network Controllers • Supports 10GBase-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  
NVMeExpress • 2x PCI-E 3.0 NVMeExpress x4 Internal Ports  
LAN • 2x RJ45 10GBase-T ports  
• 1x RJ45 Dedicated IPMI LAN port  
USB • 2x USB 3.0 ports (via header)  
• 4x USB 2.0 ports (rear)  
Video • 1x VGA port  
Serial Port / Header • 1x Header  
DOM • 2x SuperDOM (Disk on Module) ports  
TPM • 1x TPM Header

## Chassis (Optimized for X10DRW-NT )

- 1U Chassis: • [SC116TO-R700WB](#)  
• [SC113TO-R700WB](#)  
• [SC815TO-600WB](#)  
• [SC113TO-600WB](#)  
• [SC815TO-R706WB](#)  
• [SC514-R400W](#)  
• [SC825TO-R740WB](#)  
• [SC826BA-R920WB](#)  
2U Chassis: • [SC213A-R740WB](#)  
• [SC826BAC4-R920WB](#)  
• [SC216BA-R920WB](#)  
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 X10DRW-NT

- Model(s) • [SYS-1028R-WTNRT](#)

## Expansion Slots

- PCI-Express • Riser card support:  
Left side - 1 PCI-E 3.0 x32

## System BIOS

- BIOS Type • 128Mb SPI Flash EEPROM with AMI 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

- [SuperDoctor® 5](#)  
• Intel® Node Manager 3.0  
Software • Watch Dog  
• NMI  
• IPMI 1.5 / 2.0  
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  
• 6x 4-pin fan headers (up to 6 fans)  
• 6x 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 6x Fan Connectors  
• Thermal Monitor 2 (TM2) support  
• PECE  
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

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drw-nt-dual-skt-intel-c612-chipset-sata-nvme-2x10gbe-ipmi-p-2782.html>