

# Supermicro MBD-X11DPi-NT, Dual SKT, Intel C622 Chipset, SATA, 2x10GbE, IPMI, M.2 Bulk

Kod producenta: MBD-X11DPi-NT-B



Category	Server
Form Factor	E-ATX
Dimensions	12" x 13"
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable Processors
Chipset	C622
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2500
# of PCIe x16 3.0	4
# of PCIe x8 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	14
Storage Controllers	8 x AHCI iSATA 6Gb/s 6 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 10GbE Ports	2 x RJ45
Network Controllers	Intel x722 Port 10 Gigabit Base-T Intel x557 Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 2.0 20-pin Header
Uwagi	PCI-Express Slots Configuration: 4x PCI-E 3.0 x16 slot 2x PCI-E 3.0 x8 slots M.2 Interface: PCI-E 3.0 x4 M.2 Form Factor: 2260, 2280,22110 2x PCI-E 3.0 NVME x4 Internal Ports

## Product SKUs

MBD-X11DPi-NT • X11DPi-NT

## Physical Stats

Form Factor • E-ATX

Dimensions • 12" x 13" (30.48cm x 33.02cm)

## Processor/Cache

CPU • Intel® Xeon® Scalable Processors.  
• Dual Socket P (LGA 3647) supported,  
CPU TDP support 205W, 2 UPI up to  
10.4 GT/s  
• CPU1: Skylake-F CPU supported

Cores / Cache • Up to 28 cores

## System Memory

Memory Capacity • Up to 2TB 3DS ECC RDIMM and  
DDR4-2666MHz, Up to 2TB 3DS ECC  
LRDIMM, in 16 DIMM slots

Memory Type • 2666/2400/2133MHz ECC DDR4  
RDIMM, LRDIMM

DIMM Sizes • RDIMM: 64GB  
• LRDIMM: 64GB  
• 3DS LRDIMM: 128GB

Memory Voltage • 1.2V

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

## On-Board Devices

Chipset • Intel® C622

SATA • Intel® C622 controller for 14 SATA3  
(6 Gbps) ports; RAID 0,1,5,10

IPMI • ASPEED AST2500

Network Controllers • Dual LAN with 10GBase-T with  
Intel® X722 + X557

Graphics • Aspeed AST2500 BMC

## Input / Output

SATA • 14 SATA3 (6Gbps) port

LAN • RJ45 Shared IPMI LAN port

USB • 2 USB 2.0 ports (2 rear),  
• 5 USB 3.0 ports (2 rear + 2 via  
header(s) + 1 Type A)

Video Output • 1 VGA port(s)

Serial Port / Header • 2 COM Ports (1 rear, 1 header(s))

TPM • 1 TPM Header

## Expansion Slots

PCI-E • 4 PCI-E 3.0 x16,  
• 2 PCI-E 3.0 x8

M.2 • Interface: PCIe 3.0 x4  
• Form Factor: 2260, 2280, 22110

## System BIOS

BIOS Type • AMI UEFI

## Management

Software • Intel® Node Manager, IPMI2.0,  
KVM with dedicated LAN, SPM, SSM,  
SUM, SuperDoctor® 5, Watchdog

## PC Health Monitoring

Voltage • +1.8V, +12V, +3.3V, +5V, +5V  
standby

FAN • 8x 4-pin fan headers (up to 8 fans),  
Pulse Width Modulated (PWM) fan  
connectors, PWM fan speed control

Temperature • N/A

LED • N/A

Other Features • Chassis intrusion detection, CPU  
thermal trip support for processor  
protection, Node Manager Support,  
RoHS

## Operating Environment

Operating Temperature Range • 0°C ~ 50°C (32°F ~ 122°F)

Non-Operating Temperature Range • -20°C ~ 60°C (-4°F ~ 140°F)

Operating Relative Humidity Range • 10% ~ 85% (non-condensing)

Non-Operating Relative Humidity Range

<https://www.superstorage.pl/supermicro-mbd-x11dpi-nt-dual-skt-intel-c622-chipset-sata-2x10gbe-ipmi-m2-bulk-p-3237.html>