

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

Kod producenta: MBD-X11DPi-NT-O

	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-p-3220.html>