

Supermicro MBD-H11DSi-NT, Dual AMD EPYC 7000-Series, System on Chip, SATA, 2x10GbE, IPMI, M.2

Kod producenta: MBD-H11DSi-NT-O



Category	Server
Form Factor	E-ATX
Dimensions	12" x 13"
CPU Socket	LGA 4094 (Socket SP3)
# of CPU sockets	2
Supported CPU's	AMD EPYC 7001 AMD EPYC 7002
Chipset	System on Chip
Memory Type	DDR4 ECC RDIMM
Memory Speed	2666 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2500
# of PCIe x16 3.0	2
# of PCIe x8 3.0	3
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	8
# of SATA DOM power	2
# of NVMe ports	2
Storage Controllers	10 x SATA 6Gb/s
# of Serial Ports	1 x Fast UART 16550 (rear)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 2.0 20-pin Header
Uwagi	M.2 Slots Configuration: Interface: PCI-E 3.0 x2 Form factor: 22110

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

MBD-H11DSi-NT • H11DSi-NT
MBD-H11DSi-NT-B • H11DSi-NT (Bulk Pack)

Physical Stats

Form Factor • E-ATX
Dimensions • 12" x 13.05" (30.5cm x 33.1cm)

Processor/Chipset

CPU • Dual AMD EPYC™ 7000-series Processors
• Socket SP3
Chipset • System on Chip

System Memory

Memory Capacity • 16 DIMM sockets
• Supports up to 2TB Registered ECC DDR4 2666MHz SDRAM in 16 DIMMs
• 8-channel memory bus
• For Dual CPUs: Recommended that memory be populated equally in adjacent memory banks
• See Detailed Memory Support Matrix
Memory Type • DDR4 2666 MHz Registered ECC, 288-pin gold-plated DIMMs
DIMM Sizes • 8GB, 16GB, 32GB, 64GB, 128GB
Memory Voltage • 1.2V
Error Detection • Corrects single-bit errors
• Detects double-bit errors (using ECC memory)

On-Board Devices

SATA • SATA3 (6 Gbps)
• Support for Intelligent Platform Management Interface v.2.0
IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
• ASPEED AST2500 BMC
• Intel® X550 10G Base-T Ethernet Controller
Network Controllers • 1 Realtek RTL8211E PHY (dedicated IPMI)
VGA • ASPEED AST2500 BMC

Input / Output

SATA • 10 SATA3 (6 Gbps) ports
NVMe • 2 Internal NVMe Ports (PCI-E 3.0 x4)
LAN • 2 RJ45 10GBase-T ports
• 1 RJ45 Dedicated IPMI LAN port
USB • 2 USB 3.0 ports (rear)
• 4 USB 2.0 ports (2 rear + 2 via header)
VGA • 1 VGA port
• 1 COM port (rear)
Others • 2 SATA DOM power connectors
• 1 TPM 2.0 header

Expansion Slots

PCI-Express • 3 PCI-E 3.0 x8
• 2 PCI-E 3.0 x16
M.2 • Interface: PCI-E 3.0 x2
• Form Factor: 22110
• Support SATA devices

Chassis (Optimized for H11DSi-NT)

4U Chassis • CSE-745BAC-R1K28B2

Server(s) (with H11DSi-NT)

Model(s) • [AS -4023S-TRT](#)

System BIOS

BIOS Type • AMI 128Mb SPI Flash EEPROM
• Plug and Play (PnP)
• DMI 2.3
BIOS Features • PCI 2.2
• ACPI 5.1
• USB Keyboard Support
• SMBIOS 3.1.1

Management

Software • [Super Doctor 5](#)
• Watch Dog
• NMI
• [SPM](#)
• [SUM](#)
• [IPMI 2.0](#), KVM with dedicated LAN
Power Configurations • ACPI Power Management
• Power-on mode control for AC power loss recovery

PC Health Monitoring

CPU • Monitors CPU Core Voltages, +1.1V, +1.5V, +1.8V, +12V, +5V, +5V standby
• CPU switching voltage regulator
• Up to 8-fan status tachometer monitoring
FAN • Up to eight 4-pin fan headers
• Dual Cooling Zone
• Status monitor for speed control
• Pulse Width Modulated (PWM) fan connectors
• Monitoring for CPU and chassis environment
Temperature • CPU Thermal Trip Support
• Thermal control for 8x Fan connectors
• I²C Temperature Sensing Logic
LED • CPU / System Overheat LED
Other Features • Chassis Intrusion Detection
• Chassis Intrusion Header
• UID

Operating Environment / Compliance

Environmental Specifications • Operating Temperature: 10°C to 35°C (50°F to 95°F)
• Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
• Operating Relative Humidity: 8% to 90% (non-condensing)
• Non-operating Relative Humidity: 5% to 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-h11dsi-nt-dual-amd-epyc-7000-series-system-on-chip-sata-2x10gbe-ipmi-m2-p-3312.html>