

Supermicro MBD-H11SSL-NC, Single AMD EPYC 7000-Series, System on Chip, SATA, LSI3008 2xGbE, IPMI Bu

Kod producenta: MBD-H11SSL-NC-B



Category	Server
Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 4094 (Socket SP3)
# of CPU sockets	1
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	8
Max Memory Size	1024 GB
Integrated GPU	Aspeed AST2500
# of PCIe x16 3.0	3
# of PCIe x8 3.0	3
# of SATA Ports	8
# of NVMe ports	2
# of SAS Ports	8
Storage Controllers	6 x AHCI iSATA 6Gb/s LSI 3008 12Gb/s
Integrated RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210 Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 20-pin Header
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 NVMe x4 Internal Ports

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs



MBD-H11SSL-NC-B • H11SSL-NC (Bulk Pack)

Physical Stats



Form Factor • ATX
Dimensions • 12" x 9.6" (30.5cm x 24.4cm)

Processor/Chipset



CPU • Single AMD EPYC™ 7000-series Processor
• Socket SP3
Chipset • System on Chip

System Memory



Memory • 8 DIMM slots
Capacity • Supports up to 1TB Registered ECC DDR4 2666MHz SDRAM in 8 DIMMs
• 8-channel memory bus
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)
• Broadcom 3008 SAS3 (12 Gbps) controller
SAS • 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
• ASPEED AST2500 BMC
Network Controllers • 2 1GbE LAN via Intel® I210
• 1 Realtek RTL8211E PHY (dedicated IPMI)
VGA • ASPEED AST2500 BMC

Input / Output



SAS • 8 SAS3 (12 Gbps) ports
SATA • 8 SATA3 (6 Gbps) ports
NVMe • 2 PCI-E 3.0 NVMe x4 Internal Ports
LAN • 2 RJ45 Gigabit Ethernet LAN ports
• 1 RJ45 Dedicated IPMI LAN port
• 5 USB 3.0 ports
USB (2 rear, + 2 via header + 1 Type A)
• 4 USB 2.0 ports (2 rear + 2 via header)
VGA • 1 VGA port
• 1 COM port (rear)
Others • 2 SATA DOM power connector
• 1 TPM 1.2 header

Expansion Slots



PCI-Express • 3 PCI-E 3.0 x8
• 3 PCI-E 3.0 x16



M.2 • Interface: PCI-E 3.0 x4
• Form factor: 2260, 2280, 22110
• Support SATA devices

System BIOS



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

Management



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

PC Health Monitoring



• Monitors CPU Core Voltages, +1.8V, +3.3V, +5V, +5V standby, +3.3V standby
CPU • CPU switching voltage regulator
• Supports system management utility
• VBAT
• Up to 7-fan status tachometer monitoring
• Up to 7 4-pin fan headers
FAN • 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 7x Fan connectors
• I°C Temperature Sensing Logic
LED • CPU / System Overheat LED
• Chassis Intrusion Detection
Other Features • Chassis Intrusion Header
• UID

Operating Environment / Compliance



• 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)
Environmental Specifications • 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-h11ssl-ncsingle-amd-epyc-7000-seriessystem-on-chipsatal-si3008-2xgbeipmi-bu-p-3481.html>