

Supermicro MBD-X11SCH-LN4F, Single SKT, Intel C246 Chipset, SATA, 4xGbE, IPMI, M.2

Kod producenta: MBD-X11SCH-LN4F-O



Category	Server
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Xeon E-2100 Intel Xeon E-2200
Chipset	C246
Memory Type	DDR4 ECC UDIMM
Memory Speed	2666 MHz
# of DIMM's	4
Max Memory Size	128 GB
Integrated GPU	Aspeed AST2500
# of PCIe x8 3.0	2
# of USB Ports	6 x USB 2.0 ports (2 rear + 4 via headers) 2 x USB 3.1 G2 ports (rear) 3 x USB 3.1 G1 ports (1 Type-A, 2 via header)
# of SATA Ports	8
# of SATA DOM power	2
Storage Controllers	8 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	2
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i210AT 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: 1xPCI-E 3.0 x8 (in x16 slot) slots 1x PCI-E 3.0 x8 slot

Product SKUs		Expansion Slots	
MBD-X11SCH-LN4F • X11SCH-LN4F		PCI-E	1 PCI-E 3.0 x8 (in x16 slot), 1 PCI-E 3.0 x8
Physical Stats		M.2	- M.2 Interface: PCI-E 3.0 x4 - Form Factor: 2280, 22110 - Key: M-Key - Double Height Connector
Form Factor • Micro-ATX			
Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)			
Processor/Cache		System BIOS	
CPU	8th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® Processor E-2100 series. - Socket LGA 1151 supported, CPU TDP support Up to 95W TDP	BIOS Type	- UEFI 256Mb - ACPI 6.0 - SMBIOS 2.7 - Plug and Play (PnP)
Cores / Cache	• 6 cores, 12 threads	BIOS Features	- RTC (Real Time Clock) Wakeup - UEFI 2.7 - USB Keyboard support - PCI 3.0
System Memory		Management	
Memory Capacity	• Up to 128GB DDR4 ECC UDIMM, in 4 DIMM slots	Software	Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog
Memory Type	• 2666/2400/2133MHz ECC DDR4 SDRAM 72-bit	Power Configurations	- ACPI Power Management - Power-on mode for AC power recovery
DIMM Sizes	• 4GB, 8GB, 16GB, 32GB		
Memory Voltage	• 1.2V		
Error Detection • Corrects single-bit errors			
*Future support for 128GB via a BIOS update expected in early 2019			
On-Board Devices		PC Health Monitoring	
Chipset	• Intel® C246	Voltage	+12V, +3.3V, +5V, +5V standby, 6 -fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, Monitors CPU voltages, Supports system management utility, System level control, VBAT
SATA	• Intel® C246 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	FAN	6x 4-pin fan headers (up to 6 fans), 6 fans with tachometer status monitoring, Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
IPMI	• ASPEED AST2500	Temperature	• N/A
Network Controllers	• Quad LAN with Intel® Ethernet Controller I210	LED	CPU / System Overheat LED, UID/Remote UID
Graphics	• Aspeed AST2500 BMC	Other Features	ACPI power management, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Dual Cooling Zones, M.2 NGFF connector, Node Manager Support, UID, WOL
Input / Output		Operating Environment	
USB	6x USB 2.0 ports (2 rear, 4 via headers); 2x USB 3.1 Gen2 ports (rear); 3x USB 3.1 Gen1 ports (1 Type-A, 2 via header)	Operating Temperature Range	• 0°C ~ 50°C (32°F ~ 122°F)
Video Output	• 1 VGA port	Non-Operating Temperature Range	• -40°C - 70°C (-40°F - 158°F)
Serial Port / Header	• 2 COM Ports (1 rear, 1 header)	Operating Relative Humidity Range	• 8% - 90% (non-condensing)
TPM	• 1 TPM Header	Non-Operating Relative Humidity Range	• 5% - 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11sch-ln4f-single-skt-intel-c246-chipset-sata-4xgbe-ipmi-m2-p-4047.html>

