

Supermicro MBD-X11SCM-LN8F, Single SKT, Intel C246 Chipset, SATA, 8xGbE, IPMI, M.2

Kod producenta: MBD-X11SCM-LN8F-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 x16 3.0	1
# of USB Ports	4 x USB 2.0 ports (2 rear + 2 headers) 5 x USB 3.1 G1 ports (2 rears, 2 headers, 1 Type A)
# of SATA Ports	6
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1
# of 1GbE Ports	8 x RJ45
Network Controllers	Intel i210AT Dual Port Gigabit Ethernet
Integrated BMC	IPMI Shared RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 2.0 20-pin Header

Product SKUs		Expansion Slots	
MBD-X11SCM-LN8F • X11SCM-LN8F		PCI-E	• 1 PCI-E 3.0 x16 • M.2 Interface: 1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4
Physical Stats		M.2	• Form Factor: 2280/22110 • Key: M-Key • Double Height Connector
Form Factor • microATX			
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 Unbuffered ECC UDIMM, DDR4-2666MHz, 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	System Management Software	• IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
DIMM Sizes	4GB, 8GB, 16GB, 32GB	Power Configurations	• ACPI Power Management
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 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10		• 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	FAN	• Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI
Network Controllers	8 LAN with Intel® Ethernet Controller I210-AT	Temperature	• UID/Remote UID, CPU / System Overheat LED
Graphics	Aspeed AST2500 BMC	LED	• 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		Other Features	
SATA	6 SATA3 (6Gbps) port		
LAN	8 RJ45 Gigabit Ethernet LAN ports		
USB	4 USB 2.0 ports (2 rear + 2 headers), 5 USB 3.1 Gen1 ports(2 rears, 2 headers, 1 Type A)		
Video Output	1 VGA port		
Serial Port / Header	1 COM Port (1 header)		
TPM	1 TPM Header		
		Operating Environment	
		Operating Temperature Range	0°C ~ 50°C (32°F ~ 122°F)
		Non-Operating Temperature Range	-40°C - 70°C (-40°F - 158°F)
		Operating Relative Humidity Range	8% - 90% (non-condensing)
		Non-Operating Relative Humidity Range	5% - 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x11scm-ln8f-single-skt-intel-c246-chipset-sata-8xgbe-ipmi-m2-p-4019.html>