

Supermicro MBD-X10SLM+-LN4F, Single SKT, Intel C224 Chipset, SATA, 4xGbE, IPMI

Part number: MBD-X10SLM+-LN4F-O



Form Factor	uATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1150 (Socket H3)
# of CPU sockets	1
Supported CPU's	Intel Xeon E3-1200v3 Intel Xeon E3-1200v4
Chipset	Intel C224 Lynx Point
Memory Type	DDR3 ECC UDIMM
Memory Speed	1600 MHz 1333 MHz
# of DIMM's	4
Max Memory Size	32 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# of PCIe x2 2.0	1
# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 4 x USB 2.0 (header)
# of SATA Ports	6
# of SATA DOM power	1
Storage Controllers	4 x AHCI iSATA 6Gb/s 2 x AHCI iSATA 3Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i210 Quad Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Product SKUs	<input type="checkbox"/>	Chassis (Optimized for X10SLM+-LN4F)	<input type="checkbox"/>
MBD-X10SLM+-LN4F • X10SLM+-LN4F (Bulk Pack)	<input type="checkbox"/>		<input type="checkbox"/>
Physical Stats	<input type="checkbox"/>		
Form Factor	• microATX	1U Chassis:	<ul style="list-style-type: none"> • SC113MTO-R400CB • SC113MTO-330CB • SC811TO-441B • SC512F-350B • SC512F-441B • SC813MTO-R400CB • SC813MTO-350CB • SC813MTO-441CB • SC213LT-600LPB • SC825MTO-R700LPB • SC823TO-653LPB • SC213LT-563LPB
Dimensions	• 9.6" x 9.6", (24.4cm x 24.4 cm)	2U Chassis:	<ul style="list-style-type: none"> • SC833T-653B • SC732I-865B • SC731I-300B • SC732I-500B • SC732D2-903B • SC732D2-865B • SC732D2-500B • SC732D4-903B • SC732D4-865B • SC732D4-500B • SC733TO-665B • SC733TO-500B • SC745TO-920B • SC745TO-R920B • SC743TO-865B-SQ
Processor/Cache	<input type="checkbox"/>	3U Chassis:	<ul style="list-style-type: none"> • SC833T-653B • SC732I-865B • SC731I-300B • SC732I-500B • SC732D2-903B • SC732D2-865B • SC732D2-500B • SC732D4-903B • SC732D4-865B • SC732D4-500B • SC733TO-665B • SC733TO-500B • SC745TO-920B • SC745TO-R920B
CPU	<ul style="list-style-type: none"> • Intel® Xeon® processor E3-1200 v3/v4 and 4th Gen Core i3, Pentium, Celeron processors • Single Socket H3 (LGA 1150) 	4U / Tower Chassis:	<ul style="list-style-type: none"> • SC842I-500B • SC842TO-665B • SC842TO-865B
System Memory	<input type="checkbox"/>	Important Chassis Notes	<ul style="list-style-type: none"> • To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
Memory Capacity	<ul style="list-style-type: none"> • 4x 240-pin DDR3 DIMM sockets • Supports up to 32 GB DDR3 ECC Un-Buffered memory (UDIMM) 	Mid/Mini Tower Chassis:	<ul style="list-style-type: none"> • SC732D2-903B • SC732D2-865B • SC732D2-500B • SC732D4-903B • SC732D4-865B • SC732D4-500B • SC733TO-665B • SC733TO-500B • SC745TO-920B • SC745TO-R920B
Memory Type	<ul style="list-style-type: none"> • 1600MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs 	SuperServer(s) with X10SLM+-LN4F	<input type="checkbox"/>
DIMM Sizes	• 8GB, 4GB, 2GB, 1GB	Model(s)	<ul style="list-style-type: none"> • SYS-5018D-MTLN4F
Memory Voltage	• 1.5V, 1.35V	Expansion Slots	<input type="checkbox"/>
Error Detection	<ul style="list-style-type: none"> • Corrects single-bit errors • Detects double-bit errors (using ECC memory) 	PCI-Express	<ul style="list-style-type: none"> • 1x PCI-E 3.0 x16 slot • 1x PCI-E 2.0 x2 (in x8) slot
On-Board Devices	<input type="checkbox"/>	System BIOS	<input type="checkbox"/>
Chipset	<ul style="list-style-type: none"> • Intel® C224 Express PCH 	BIOS Type	<ul style="list-style-type: none"> • 128Mb SPI Flash EEPROM with AMI BIOS
SATA	<ul style="list-style-type: none"> • SATA3 (6Gbps) w/ RAID 0, 1, 10, 5 • SATA2 (3Gbps) w/ RAID 0, 1 • Support for Intelligent Platform Management Interface v.2.0 	BIOS	<ul style="list-style-type: none"> • DMI (SMBIOS) 2.7 • ACPI 5.0
IPMI	<ul style="list-style-type: none"> • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • Aspeed AST2400 	Features	<ul style="list-style-type: none"> • USB Keyboard support
Network Controllers	<ul style="list-style-type: none"> • Intel® i210AT Controllers • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8211E PHY (dedicated IPMI) 	Management	<input type="checkbox"/>
VGA	• BMC integrated Aspeed AST2400	Software	<ul style="list-style-type: none"> • IPMI (Intelligent Platform Management Interface) v2.0 with KVM support • SuperDoctor® III • Watch Dog • NMI • ACPI / ACPM Power Management • Main Switch Override Mechanism
Input / Output	<input type="checkbox"/>	Power Configurations	<ul style="list-style-type: none"> • Power-on mode for AC power recovery • Internal/External modem ring-on
Serial ATA	<ul style="list-style-type: none"> • 4x SATA3 (6Gbps) ports • 2x SATA2 (3Gbps) ports 	PC Health Monitoring	<input type="checkbox"/>
LAN	<ul style="list-style-type: none"> • 4x Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port 	Voltage	<ul style="list-style-type: none"> • Monitors for CPU Cores, 12V, +3.3V, +5V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages. • 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V • Total of Five 4-pin fan headers supporting up to 5 fans • 5x fans with tachometer status monitoring
USB	<ul style="list-style-type: none"> • 4x USB 3.0 ports (2 rear, 1 Type-A, 1 via header) • 6x USB 2.0 ports (2 rear, 4 via header) 	FAN	<ul style="list-style-type: none"> • Status monitor for speed control • Status monitor for on/off control • Support 3-pin fans (w/o speed control) • Low noise fan speed control • Pulse Width Modulated (PWM) fan connectors • Monitoring for CPU and chassis environment
VGA	• 1x VGA D-Sub Connector	Temperature	<ul style="list-style-type: none"> • CPU thermal trip support • FC temperature sensing logic • Thermal Monitor 2 (TM2) support • PECI
Serial Port / Header	• 2x COM ports (1 rear, 1 header)	LED	<ul style="list-style-type: none"> • CPU / System Overheat LED • +5V Standby alert LED
DOM	• SATA DOM (Disk on Module) power connector support	Other Features	<ul style="list-style-type: none"> • Chassis intrusion detection • Chassis intrusion header
TPM	• 1x TPM Header	Operating Environment	<input type="checkbox"/>
		Operating Temperature Range	<ul style="list-style-type: none"> • 0°C ~ 50°C (32°F ~ 122°F)
		Non-Operating Temperature Range	<ul style="list-style-type: none"> • -40°C ~ 70°C (-40°F ~ 158°F)
		Operating Relative Humidity Range	<ul style="list-style-type: none"> • 8% ~ 90% (non-condensing)
		Non-Operating Relative Humidity Range	

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