

Supermicro MBD-X10SRH-CLN4F, Single SKT, Intel C612 Chipset, SATA, LSI 3008 SAS3, 4xGbE, IPMI Bu

Kod producenta: MBD-X10SRH-CLN4F-B

Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	1
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3 Intel Xeon E5-1600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	8
Max Memory Size	1024 GB
Integrated GPU	Aspeed AST2400
# of PCIe x4 3.0	1
# of PCIe x8 3.0	3
# of PCIe x4 2.0	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) 6 x USB 2.0 (header)
# of SATA Ports	10
# of SATA DOM power	2
# of SAS Ports	8
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s LSI 3008 12Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i350 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
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x4 (in x8) slot 1x PCI-E 3.0 x8 (in x16) slot 2x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x2 (in x4) slot 1x PCI-E 2.0 x4 (in x8) slot

Product SKUs	Chassis (Optimized for X10SRH-CLN4F)
MBD-X10SRH-CLN4F -B	<ul style="list-style-type: none"> - SC813MFTQ-441CB - SC813MFTQ-R400CB - SC813MFTQ-R606CB
Physical Stats	1U Chassis:
Form Factor • ATX	<ul style="list-style-type: none"> - SC113MFAC2-R606CB - SC113MFAC2-605CB
Dimensions • 12" x 9.6", (30.5cm x 24.4cm)	<ul style="list-style-type: none"> - SC823TQ-653LPB - SC213A-R740LPB - SC825TQ-R720LPB
Processor	2U Chassis:
CPU	<ul style="list-style-type: none"> - Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v4/ v3 family (up to 145W TDP **) - Single Socket R3 (LGA 2011)
Core / Cache	<ul style="list-style-type: none"> - Up to 22 Cores¹ / Up to 55MB¹ Cache
Note	<ul style="list-style-type: none"> ¹ BIOS version 2.0 or above is required ** Motherboard supports this maximum TDP. Please verify your system can thermally support
Note	<ul style="list-style-type: none"> ** E5-1600 series CPU does not support LRDIMM type memory
System Memory	3U Chassis:
Memory Capacity	<ul style="list-style-type: none"> - Up to 22 Cores¹ / Up to 55MB¹ Cache ¹ BIOS version 2.0 or above is required ** Motherboard supports this maximum TDP. Please verify your system can thermally support ** E5-1600 series CPU does not support LRDIMM type memory
Memory Type	Mid/Mini Tower Chassis:
DIMM Sizes	<ul style="list-style-type: none"> - 8x 288-pin DDR4 DIMM slots - Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM - Up to 256GB ECC RDIMM - 2400 / 2133/1866/1600MHz ECC
Memory Voltage	4U / Tower Chassis:
Error Detection	<ul style="list-style-type: none"> - 3DS LRDIMM: 128GB - LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB - 1.2 V - Corrects single-bit errors - Detects double-bit errors (using ECC memory)
On-Board Devices	Important Chassis Notes
Chipset	Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
SAS	SuperServer(s) with X10SRH-CLN4F
SATA	Model(s)
IPMI	<ul style="list-style-type: none"> - SSG-5028R-E1CR12L - SYS-5048R-E1CR36L
Network Controllers	Expansion Slots
Graphics	<ul style="list-style-type: none"> - 1x PCI-E 3.0 x4 (in x8) slot - 1x PCI-E 3.0 x8 (in x16) slot - 2x PCI-E 3.0 x8 slots - 1x PCI-E 2.0 x2 (in x4) slot - 1x PCI-E 2.0 x4 (in x8) slot
Input / Output	System BIOS
SAS	BIOS Type
SATA	AMI BIOS
LAN	<ul style="list-style-type: none"> - 128Mb SPI Flash EEPROM with - Plug and Play (PnP) - APM 1.2 - DMI 2.3 - PCI 2.3
USB	BIOS Features
Video	<ul style="list-style-type: none"> - ACPI 1.0 / 2.0 / 3.0 / 4.0 - USB Keyboard support - Hardware BIOS Virus protection - SMBIOS 2.7.1 - UEFI 2.3.1 - RTC (Real Time Clock) Wakeup
Serial Port / Header	Management
SuperDOM	<ul style="list-style-type: none"> - IPMI 2.0 with KVM support - SuperDoctor® 5 - Watch Dog - ACPI Power Management - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery
TPM	PC Health Monitoring
OS Compatibility	Voltage
• Please reference the OS Compatibility Chart for details	<ul style="list-style-type: none"> - Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages. - Total of 6 fan headers supporting up to 6 fans - 6 fans with tachometer status monitoring
	FAN
	<ul style="list-style-type: none"> - Status monitor for speed control - Status monitor for on/off control - Low noise fan speed control - Pulse Width Modulated (PWM) fan connectors - Monitoring for CPU and chassis environment
	Temperature
	<ul style="list-style-type: none"> - CPU thermal trip support - iC temperature sensing logic - Thermal Monitor 2 (TM2) support - PECI
	LED
	<ul style="list-style-type: none"> - CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID - Chassis intrusion detection - Chassis intrusion header
	Other Features
	<ul style="list-style-type: none"> - Chipkill support - RoHS, Halogen Free
	Operating Environment
	Operating Temperature Range
	- 0°C ~ 60°C (32°F ~ 140°F)
	Non-Operating Temperature Range
	- -20°C ~ 60°C (-4°F ~ 140°F)
	Operating Relative Humidity Range
	- 10% ~ 85% (non-condensing)
	Non-Operating Relative Humidity Range

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10srh-cln4f-single-socket-intel-c612-chipset-sata-lsi-3008-sas-3-4xgbe-ipmi-bu-p-2574.html>