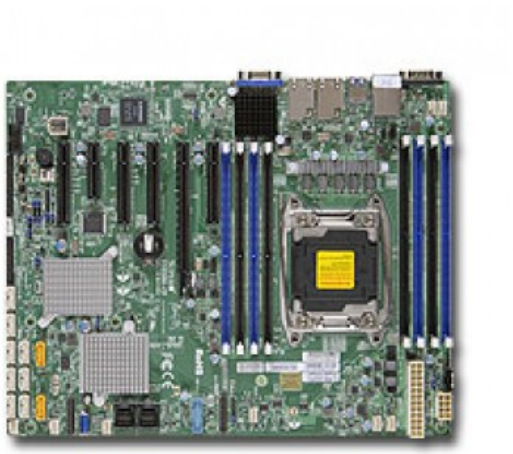
Supermicro MBD-X10SRH-CF, Single SKT, Intel C612 Chipset, SATA, LSI 3008 SAS3, 2xGbE, IPMI

Kod producenta: MBD-X10SRH-CF-O



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	2 x RJ45
Network Controllers	Intel i350 Dual 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

MBD-X10SRH-CF-B	• X10SRH-CF (Bulk Pack)

Physical Stats

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

Processor

CPU	- Intel® Xeon® processor E5-2600 **v4**† / v3, E5-1600 **v4**†/ v3 family (up to 145W TDP **)
	- Single Socket R3 (LGA 2011)
Core / Cache	- Up to **22 Cores**† / Up to **55MB**† Cache
Note	† BIOS version 2.0 or above is required
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support ** E5-1600 series CPU does not support LRDIMM type memory

System Memory

Memory Capacity	- 8x 288-pin DDR4 DIMM slots - Up to 1TB ECC 3DS LRDIMM - Up to 512GB ECC LRDIMM - Up to 256GB ECC RDIMM
Memory Type	- **2400**†/ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs
DIMM Sizes	- 3DS LRDIMM: 128GB - LRDIMM: 64GB, 32GB - RDIMM: 32GB, 16GB, 8GB, 4GB
Memory Voltage	- 1.2 V
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	- Intel C612 chipset
SAS	- SAS3 (12Gbps) via LSI 3008 - SW RAID 0, 1, 10
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 5, 10 support
IPMI	- Support for Intelligent Platform Management Interface v.2.0 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support - ASPEED AST2400 BMC
Network Controllers	- Intel® i350-AM2 Dual Port Gigabit Ethernet - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics	- ASPEED AST2400 BMC

Input / Output

SAS	- 8x SAS3 (12Gbps) ports
SATA	- 10x SATA3 (6Gbps) ports
LAN	- 2x RJ45 Gigabit Ethernet LAN ports - 1x RJ45 Dedicated IPMI LAN port
USB	- 4x USB 3.0 ports (2 rear + 1 via header + 1 Type A) - 8x USB 2.0 ports (2 rear + 6 via header)
Video	- 1x VGA port
Serial Port / Header	- 2x fast UART 16550 serial, 2 COM ports (1 rear, 1 header)
SuperDOM	- 2x SuperDOM (Disk on Module) ports with built-in power
TPM	- 1x TPM Header

OS Compatibility

• Please reference the **OS Compatibility Chart** for details

Chassis (Optimized for X10SRH-CF)

1U Chassis:	- SC113MFAC2-605CB - SC813MTQ-R400CB - SC113MFAC2-R606CB - SC813MFTQ-R606CB - SC813MFTQ-441CB
2U Chassis:	- SC825TQ-563LPB - SC825TQ-R720LPB - SC213LT-600LPB - SC826TQ-R500LPB - SC823TQ-653LPB
3U Chassis:	- SC836TQ-R500B - SC836BE1C-R1K03B - SC833T-653B
Mid/Mini Tower Chassis:	- SC732D4F-903B - SC732i-500B
4U / Tower Chassis:	- SC743T-665B - SC842i-500B - SC842TQ-665B - SC842TQ-865B
Important Chassis Notes	- To support the new generation Intel® Xeon® processor-based motherboards, **Revision M** chassis is recommended. Please talk to your sales representative for details.

Expansion Slots

PCI-Express	- 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

System BIOS

BIOS Type	- 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	- Plug and Play (PnP) - APM 1.2 - DMI 2.3 - PCI 2.3 - 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

Management

Software	- IPMI 2.0 with KVM support - SuperDoctor® 5 - Watch Dog
Power Configurations	- ACPI Power Management - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery

PC Health Monitoring

Voltage	- Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	- Total of 6 fan headers supporting up to 6 fans - 6 fans with tachometer status monitoring - Status monitor for speed control - Status monitor for on/off control - Low noise fan speed control - Pulse Width Modulated (PWM) fan connectors
Temperature	- Monitoring for CPU and chassis environment - CPU thermal trip support - I²C temperature sensing logic - Thermal Monitor 2 (TM2) support - PECI
LED	- CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID
Other Features	- Chassis intrusion detection - Chassis intrusion header - 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-cf-single-skt-intel-c612-chipset-sata-lsi-3008-sas3-2xgbe-ipmi-p-1385.html