

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

Kod producenta: MBD-X10SRH-CLN4F-O

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| 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 |

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| 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 - SC823TQ-653LPB - SC213A-R740LPB - SC825TQ-R720LPB |
| Dimensions • 12" x 9.6", (30.5cm x 24.4cm) | 2U Chassis: |
| Processor | <ul style="list-style-type: none"> - SC826BAC4-R920LPB - SC216BAC-R920LPB - SC826BE1C-R920LPB - SC216BE1C-R920LPB |
| 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 | 3U Chassis: |
| Note | <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 |
| Note | Mid/Mini Tower Chassis: |
| | <ul style="list-style-type: none"> - SC732i-500B - SC847BE1C-R1K28LPB - SC842TQ-865B - SC842TQ-665B - SC743T-665B - SC846BE1C-R1K28B |
| System Memory | 4U / Tower Chassis: |
| Memory Capacity | <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 Type | Important Chassis Notes |
| DIMM Sizes | Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details. |
| Memory Voltage | SuperServer(s) with X10SRH-CLN4F |
| Error Detection | Model(s) |
| | <ul style="list-style-type: none"> - SSG-5028R-E1CR12L - SYS-5048R-E1CR36L |
| On-Board Devices | Expansion Slots |
| Chipset | <ul style="list-style-type: none"> - 1x PCI-E 3.0 x4 (in x8) slot - 1x PCI-E 3.0 x8 (in x16) slot |
| SAS | PCI-Express |
| SATA | <ul style="list-style-type: none"> - 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 |
| IPMI | System BIOS |
| Network Controllers | BIOS Type |
| Graphics | AMI BIOS |
| | <ul style="list-style-type: none"> - 128Mb SPI Flash EEPROM with - Plug and Play (PnP) - APM 1.2 - DMI 2.3 - PCI 2.3 |
| | BIOS Features |
| | <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 |
| | Management |
| Input / Output | Software |
| SAS | <ul style="list-style-type: none"> - IPMI 2.0 with KVM support - SuperDoctor® 5 - Watch Dog - ACPI Power Management |
| SATA | Power Configurations |
| LAN | <ul style="list-style-type: none"> - Keyboard Wakeup from Soft-Off - CPU Fan auto-off in sleep mode - Power-on mode for AC power recovery |
| USB | PC Health Monitoring |
| Video | <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 |
| Serial Port / Header | Voltage |
| SuperDOM | <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 |
| TPM | FAN |
| OS Compatibility | Temperature |
| | <ul style="list-style-type: none"> - CPU thermal trip support - °C temperature sensing logic - Thermal Monitor 2 (TM2) support - PECI - CPU / System Overheat LED - Suspend static indicator LED - UID/Remote UID - Chassis intrusion detection - Chassis intrusion header - Chipkill support - RoHS, Halogen Free |
| | Operating Environment |
| | Operating Temperature Range |
| | <ul style="list-style-type: none"> - 0°C ~ 60°C (32°F ~ 140°F) |
| | Non-Operating Temperature Range |
| | <ul style="list-style-type: none"> - -20°C ~ 60°C (-4°F ~ 140°F) |
| | Operating Relative Humidity Range |
| | <ul style="list-style-type: none"> - 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-p-1384.html>