Supermicro MBD-X10SRA-F, Single SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI

Kod producenta: MBD-X10SRA-F-O

Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	1
Supported CPU's	Intel Xeon E5-2600v3 Intel Xeon E5-1600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR3 ECC LRDIMM DDR3 ECC RDIMM DDR3 ECC UDIMM DDR3 non-ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz 1333 MHz
# of DIMM's	8
Max Memory Size	512 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	4
# of PCIe x4 2.0	2
# of USB Ports	6 x USB 3.0 (rear) 2 x USB 3.0 (header)
# of SATA Ports	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210-AT Dual Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8) 2x PCI-E 2.0 x1 (in x4) slots

Product SKUs

MBD-X10SRA-F-B	• X10SRA-F (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 or Intel® Core™ i7 series (up to 160W 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

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 - Up to 128GB DDR4 ECC/non-ECC UDIMM (available with Core i7 only)
Memory Type	- **2400**[†]/ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs
DIMM Sizes	- 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
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 5, 10 support
Network Controllers	- Intel® i210-AT Dual Port Gigabit Ethernet - Share with IPMI - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	- RealTek ALC1150 High Definition Audio

Input / Output

SATA	- 10x SATA3 (6Gbps) ports
LAN	- 2x RJ45 Gigabit Ethernet LAN ports - Shared with IPMI
USB	- 8x USB 3.0 ports (6 rear + 2 via header) - 4 of 8 USB 3.0 ports upgradable to 4x USB 3.1 (10Gbps) (2 rear + 2 via header) (This upgrade is BOM option for OEM only)
Audio	- 7.1 HD Jacks
Keyboard/Mouse	- 1 PS/2 Keyboard/Mouse port
Serial Port / Header	- 1x header
TPM	- 1x TPM Header

OS Compatibility

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

Chassis (Optimized for X10SRA-F)

Mid/Mini Tower Chassis:	- SC732D3-903B
4U / Tower Chassis:	- SC743TQ-1200B-SQ - SC745BTQ-R1K28B-SQ - To support the new generation Intel® Xeon® processor-based motherboards, **Revision K** chassis is recommended. Please talk to your sales representative for details.
Important Chassis Notes	

Expansion Slots

PCI-Express	- 4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8) - 2x PCI-E 2.0 x1 (in x4) slots PCI-E slot #1 supports (x4) and slot #4 (x16) is disabled when Intel Core i7-5820K is installed

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 - SuperDoctor® III - 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	- +12V, +3.3V, +5V, 1.05 (PCH), 1.2V (VDIMM), 3.3V standby, Chassis intrusion header, Monitors CPU voltages, VBAT
FAN	- Total of 5 fan headers supporting up to 5 fans - 5 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
Other Features	- Chassis intrusion detection - Chassis intrusion header - Chipkill support - RoHS

Strona firmowa produktu:
https://www.superstorage.pl/supermicro-mbd-x10sra-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-p-1389.html