Supermicro MBD-X10SRM-TF, Single SKT, Intel C612 Chipset, SATA, 2x10GbE, IPMI, M.2 Bulk

Kod producenta: MBD-X10SRM-TF-B

Form Factor	uATX
Dimensions	9.6" 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 E5-1600v4 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	4
Max Memory Size	512 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# of PCIe x4 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 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	10
Storage Controllers	10 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x Base-T
Network Controllers	Intel x550 Dual Port 10 Gigabit Base-T
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

MBD-X10SRM-TF-B	• X10SRM-TF (Bulk Pack)

Physical Stats

Form Factor	• Micro ATX
Dimensions	• 9.6" x 9.6", (24.4cm 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

System Memory

Memory Capacity	- 4x 288-pin DDR4 DIMM slots - Up to 512GB ECC 3DS LRDIMM - Up to 256GB ECC LRDIMM - Up to 128GB 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
SATA	- SATA3 (6Gbps) via C612 controller - RAID 0, 1, 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	- Dual LAN with Intel® X550 10GBase-T Ethernet Controller - Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics	- ASPEED AST2400 BMC

Input / Output

SATA	- 10x SATA3 (6Gbps) ports
LAN	- 2x RJ45 10GBase-T Ethernet LAN ports - 1x RJ45 Dedicated IPMI LAN port
USB	- 5x USB 3.0 ports (2 rear + 2 via header + 1 Type A) - 6x USB 2.0 ports (2 rear + 4 via header)
Video	- 1x VGA port
Serial Port / Header	- 2x COM ports (1 rear, 1 header)
SuperDOM	- 2x SuperDOM (Disk on Module) ports with built-in power
TPM	- 1 TPM Header

OS Compatibility

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

Chassis (Optimized for X10SRM-TF)

1U Chassis:	- SC514-R400C - SC514-505 - SC515-R407 - SC515-505 - SC515-350 - SC113MFAC2-605CB - SC113MFAC2-R606CB - SC813MFTQC-R407CB - SC813MFTQC-350CB
2U Chassis:	- SC825TQC-R740LPB - SC825MTQ-R700LPB - SC213LT-600LPB - SC823TQ-653LPB
3U Chassis:	- SC833T-653B
Mid/Mini Tower Chassis:	- SC731i-300B
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 x16 slot - 2x PCI-E 3.0 x8 slots

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	- Intel® Node Manager - IPMI 2.0 with KVM support - SuperDoctor® 5 - Watch Dog - NMI - SPM - SUM
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-x10srm-tf-single-skt-intel-c612-chipset-sata-2x10gbe-ipmi-m2-bulk-p-2578.html