

Supermicro MBD-X10SRG-F, Single SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI Bulk

Part number: MBD-X10SRG-F-B



Form Factor	Proprietary
Dimensions	7.71" x 16.64"
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	DDR4 ECC LRDIMM DDR4 ECC RDIMM
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	2
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 (header) 1 x USB 3.0 Type A 6 x USB 2.0 (header)
# of SATA Ports	10
# of SATA DOM power	2
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (rear)
# 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

Product SKUs	<input type="checkbox"/>	SuperServer(s) with X10SRG-F
<input type="checkbox"/> MBD-X10SRG-F • X10SRG-F (Bulk Pack) -B	<input type="checkbox"/>	Model(s) - SYS-5018GR-T - SYS-1018GR-T
Physical Stats		
<input type="checkbox"/> Form Factor • Proprietary		Expansion Slots
<input type="checkbox"/> Dimensions • 7.71" x 16.64", (19.58cm x 42.27cm)	<input type="checkbox"/>	PCI-Express - 2x PCI-E 3.0 x16 slot2 - 1x PCI-E 3.0 x8 slot
Processor		System BIOS
<input type="checkbox"/>		<input type="checkbox"/>
CPU - Intel® Xeon® processor E5-2600 v4/ v3, E5-1600 v4/ v3 family (up to 145W TDP **)		BIOS Type - 128Mb SPI Flash EEPROM with AMI BIOS
Core / Cache - Single Socket R3 (LGA 2011)		- Plug and Play (PnP)
Cache - Up to 22 Cores [†] / Up to 55MB [†]		- APM 1.2
Note [†] BIOS version 2.0 or above is required		- DMI 2.3
** Motherboard supports this maximum TDP. Please verify your system can thermally support		- PCI 2.3
Note		BIOS Features - ACPI 1.0 / 2.0 / 3.0 / 4.0
** E5-1600 series CPU does not support LRDIMM type memory		- USB Keyboard support
		- Hardware BIOS Virus protection
		- SMBIOS 2.7.1
		- UEFI 2.3.1
		- RTC (Real Time Clock) Wakeup
System Memory		Management
<input type="checkbox"/>		<input type="checkbox"/>
Memory Capacity - 8x 288-pin DDR4 DIMM slots		- Intel® Node Manager
- Up to 1TB ECC 3DS LRDIMM		- IPMI 2.0 with KVM support
- Up to 512GB ECC LRDIMM		Software - SuperDoctor@ III
- Up to 256GB ECC RDIMM		- Watch Dog
- 2400 / 2133/1866/1600MHz ECC		- NMI
Memory Type DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs		- ACPI Power Management
DIMM Sizes - 3DS LRDIMM: 128GB		- Keyboard Wakeup from Soft-Off
- LRDIMM: 64GB, 32GB		- CPU Fan auto-off in sleep mode
- RDIMM: 32GB, 16GB, 8GB, 4GB		Power Configurations - Power-on mode for AC power recovery
Memory Voltage - 1.2 V		PC Health Monitoring
Error Detection - Corrects single-bit errors		<input type="checkbox"/>
- Detects double-bit errors (using ECC memory)		Voltage - Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
On-Board Devices		- Total of 7 fan headers supporting up to 6 fans
<input type="checkbox"/>		- 7 fans with tachometer status monitoring
Chipset - Intel C612 chipset		FAN - Status monitor for speed control
- SATA3 (6Gbps) via C612 controller		- Status monitor for on/off control
SATA - RAID 0, 1, 10 support		- Low noise fan speed control
- Support for Intelligent Platform Management Interface v.2.0		- Pulse Width Modulated (PWM) fan connectors
IPMI - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support		- Monitoring for CPU and chassis environment
- ASPEED AST2400 BMC		Temperature - CPU thermal trip support
- Intel® i350 Dual Port Gigabit Ethernet		- I°C temperature sensing logic
Network Controllers - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		- Thermal Monitor 2 (TM2) support
Graphics - ASPEED AST2400 BMC		- PECI
Input / Output		- CPU / System Overheat LED
<input type="checkbox"/>		- Suspend static indicator LED
SATA - 10x SATA3 (6Gbps) ports		- UID/Remote UID
- 2x RJ45 Gigabit Ethernet LAN ports		- Chassis intrusion detection
LAN - 1x RJ45 Dedicated IPMI LAN port		- Chassis intrusion header
- 4x USB 3.0 ports (2 rear + 1 via header + 1 Type A)		Other Features - Chipkill support
USB - 6x USB 2.0 ports (6 via headers)		- RoHS, Halogen Free
Video - 1x VGA port		Operating Environment
Serial Port / Header - 1x fast UART 16550 serial; 1 COM port (rear)		<input type="checkbox"/>
SuperDOM - 2x SuperDOM (Disk on Module) ports with built-in power		Operating Temperature Range - 0°C ~ 60°C (32°F ~ 140°F)
TPM - 1x TPM Header		Non-Operating Temperature Range - -20°C ~ 60°C (-4°F ~ 140°F)
OS Compatibility		Operating Relative Humidity Range - 10% ~ 85% (non-condensing)
<input type="checkbox"/>		Non-Operating Relative Humidity Range
• Please reference the OS Compatibility Chart for details		

<https://www.superstorage.pl/supermicro-mbd-x10srg-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-bulk-p-2572.html>