

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

Kod producenta: MBD-X10SRG-F-O



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
Hardware 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
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x8 (in x16) slot

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

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10srg-single-skt-intel-c612-chipset-sata-2xgbe-ipmi-p-1735.html>