

Key Features

1. Single socket H2 (LGA 1155) supports Intel® Xeon® E3-1200 family, Intel® 2nd Generation Core i3 & Intel® Pentium® family processors
2. Intel® C204 PCH Chipset
3. Up to 32GB DDR3 ECC 1333/1066MHz UDIMMs; 2 channels
4. Intel® 82579LM and 82574L, 2x Gigabit Ethernet LAN ports
5. 4x SATA2 3Gbps w/ RAID 0, 1, 5, 10; 2x SATA3 6Gbps w/ RAID 0, 1
6. 2x (x8) PCIe 2.0 slots, 2x (x4) PCIe 2.0 in x8 slots
7. 9x USB 2.0 ports (2 rear + 6 via header + 1 Type-A)
8. Integrated IPMI 2.0 with KVM and Dedicated LAN

Links & Resources

Tested Memory List

Tested HDD List

Motherboard Manual

Update Your BIOS

IPMI Firmware

[Download the Latest Drivers and Utilities](#)

Specifications

Product SKUs	
MBD-X9SCM-F-B	X9SCM:F (Bulk Pack)
Physical Stats	
Form Factor	Micro ATX
Dimensions	9.6" x 9.6", (24.4cm x 24.4 cm)
Processor/Cache	
CPU	Intel® Xeon® processor E3 -1200 family, Intel® 2nd Generation Core i3 & Intel® Pentium® family processors * Socket H2 (LGA 1155)
System Memory	
Memory Capacity	4x 240-pin DDR3 DIMM sockets Supports up to 32 GB DDR3 ECC Un Buffered memory (UDIMM) 1333/1066MHz
Memory Type	1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	8GB, 4GB, 2GB, 1GB
Memory Voltage	1.5 V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	Intel® C204 PCH chipset
SATA	4x SATA2 (3Gbps) w/ RAID 0, 1, 5, 10 2x SATA3 (6Gbps) w/ RAID 0, 1
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	Intel® 82579LM and 82574L, 2x Gigabit LAN ports Virtual Machine Device Queues High efficient I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	Nuvoton WPCM450RA0BX
Super I/O	Nuvoton NCT6776F
Input / Output	
Serial ATA	6 SATA ports 6 SATA hard drives supported
LAN	2x RJ45 LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	9x USB 2.0 ports total (2x rear + 6x via header + 1x type A)
VGA	1x VGA port
Serial Port / Header	2x Fast UART 16550 serial port (one header and one rear port)
Expansion Slots	
PCI-Express	2 (x8) PCIe 2.0 in x8 slots 2 (x4) PCIe 2.0 in x8 slots
System BIOS	
BIOS Type	64Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Parts List

Parts List (Bulk Package)			
	Part Number	Qty	Description
X9SCM-F	MBD-X9SCMF	1	X9SCMF Motherboard
I/O Cables	CBL-0044L	6	57.5CM SATA FLAT SS PBF
Driver Disk	CDRX9-UP	1	Driver Disk
I/O Shield	MCP260-00027-0N	1	STD I/O SHIELD

* Per Intel's spec, for platforms using C202/C204 PCH:

- 1) Intel i5/i7 CPUs are not supported
- 2) Intel E3 - 12x5 series processors which have integrated graphics support are not recommended.

** Supermicro X9SCM -F motherboard is using a dedicated graphic from Matrox G200eW.