

X9SCD-F

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Key Features

1. Single socket H2 (LGA 1155) supports Intel® Xeon® E3-1200 & E3-1200 v2 series, 2nd and 3rd Gen Core i3 processors***, Pentium, Celeron
2. Intel® C204 PCH Chipset
3. Up to 32GB DDR3 ECC 1333MHz / 1600MHz*** UDIMMs in 4 sockets
4. 1 (x8) PCI-E 3.0*** slot and 1 (x8) Micro-LP PCI-E 3.0*** slot
5. 2x SATA3 HDD support to BP (6Gb/s) 1x SATA2 headers onboard
6. 2 internal USB (1 header + 1 type A)
7. SATA DOM power connector support
8. Integrated IPMI 2.0 with KVM and Dedicated LAN

Links & Resources

- ▶ [Tested Memory List](#)
- ▶ [Tested HDD List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Quick Reference Guide](#)
- ▶ [Update Your BIOS](#)
- ▶ [BMC/IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)
- ▶ [Download Driver CD](#)
- ▶ [OS Compatibility](#)

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

MBD-X9SCD-F-B ■ X9SCD-F (Bulk Pack)

Physical Stats

Form Factor ■ Proprietary

Dimensions ■ 4.75" x 15.95", (12.06cm x 40.51cm)

Processor/Cache

CPU ■ Intel® Xeon® processor E3-1200 & v2 series, Intel® 2nd Gen and 3rd Gen Core i3, Intel® Pentium® and Celeron 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)

Memory Type ■ 1333/1600MHz*** ECC DDR3 SDRAM 72-bit, 240-pin gold-plated UDIMMs

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 ■ 2x SATA3 HDD support to BP (6Gb/s)
■ 1x SATA2 header onboard

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 ■ 1x Realtek RTL8201N PHY (dedicated IPMI)

VGA ■ BMC integrated Matrox G200

Super I/O ■ Nuvoton WPCM450RA0BX

Input / Output

Serial ATA ■ 2x SATA 3.0 ports (6Gb/s)

LAN ■ 1x RJ45 Dedicated IPMI LAN port

USB ■ 2x USB 2.0 ports (1 header + 1 type A)

VGA ■ VGA via KVM

Serial Port / Header ■ 2x Fast UART 16550 serial port (one header and one rear port)

DOM ■ 1x DOM (Disk on Module) power connector

TPM ■ 1x TPM Header

Chassis (Optimized for X9SCD-F)

3U Chassis ■ CSE-938H-R1620B

Important Chassis Notes ■ Proprietary chassis

Expansion Slots

PCI-Express ■ 2 (x8) PCI-E 3.0 slots***

System BIOS

BIOS Type ■ 8MB SPI Flash EEPROM with AMI BIOS

BIOS Features ■ SMBIOS 2.7
■ APM 1.2
■ ACPI 4.0
■ Plug and Play (PnP)
■ RTC (Real Time Clock) Wakeup
■ USB Keyboard support

Management

Software ■ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
■ SuperDoctor® III
■ Watch Dog
■ NMI

Power Configurations ■ ACPI / ACPM Power Management
■ Main Switch Override Mechanism
■ Power-on mode for AC power recovery

PC Health Monitoring

Voltage ■ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
■ 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V

FAN ■ 1x fan header with tachometer status monitoring

Temperature ■ CPU thermal trip support
■ FC temperature sensing logic
■ PECI

LED ■ CPU / System Overheat LED
■ +5V Standby alert LED
■ UID/Remote UID

Other Features ■ RoHS
■ Halogen Free

OS Compatibility

• Please see our [OS Compatibility Chart](#)

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
Motherboard	MBD-X9SCD-F	1	X9SCD-F Motherboard

* 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 X9SCD-F motherboard is using a dedicated graphic from Matrox G200eW.

*** [BIOS rev. 2.0 or above](#) is needed to support new E3-1200 v2 CPUs, which supports PCI-E 3.0 & DDR3 1600.

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