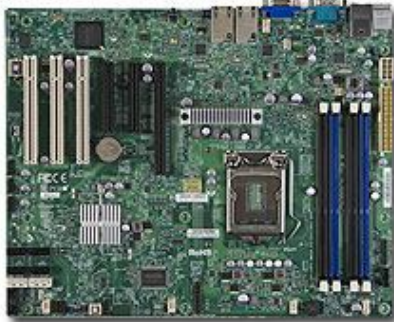




X9SCA-F

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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 1333MHz UDIMMs in 4 sockets
4. 1 (x16) PCI-E 2.0, 2 (x4) PCI-E 2.0 (in x8), and 3 PCI 32-bit slots
5. 2x GbE LAN ports; Intel® 82574L
6. 4x SATA (3Gbps) w/ RAID 0, 1, 5, 10; 2x SATA (6Gbps) w/ RAID 0, 1
7. 8x USB 2.0 ports (2 rear + 6 via headers)
8. DOM power connector support
9. 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-X9SCA-F-B**
 - X9SCA-F (Bulk Pack)

Physical Stats

- Form Factor**
 - ATX
- Dimensions**
 - 12" x 9.6", (30.48cm 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

Chassis (Optimized for X9SCA-F)

- 1U Chassis**
 - [CSE-111LT-330CB](#)
 - [CSE-111LT-330UB](#)
 - [CSE-111LT-360CB](#)
 - [CSE-111LT-360UB](#)
 - [CSE-111T-560CB](#)
 - [CSE-111T-560UB](#)
 - [CSE-113MTQ-560CB](#)
 - [CSE-113MTQ-563CB](#)
 - [CSE-113MTQ-R400CB](#)
 - [CSE-512-200B](#)
 - [CSE-512-260B](#)
- Important Chassis Notes**
 - To support the new generation Intel® Xeon® processor-based motherboards, a Revision K chassis is recommended for most models. Please talk to your sales representative or follow the link for details.
- Management**
 - IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
- Software**
 - [Super Doctor III](#)
 - Watch Dog
 - NMI
- Power Configurations**
 - ACPI / ACPM Power Management
 - Main Switch Override Mechanism
 - Wake-On-LAN (WOL) header
 - Keyboard Wakeup from Soft-Off
 - Power-on mode for AC power recovery
 - Internal/External modem ring-on

| | |
|----------------------------|--|
| Chipset | <ul style="list-style-type: none"> Intel® C204 PCH chipset |
| SATA | <ul style="list-style-type: none"> SATA 2.0 3Gbps w ith RAID 0, 1, 5, 10 SATA 2.0 6Gbps w ith RAID 0, 1 |
| IPMI | <ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 w ith virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC |
| Network Controllers | <ul style="list-style-type: none"> Intel® 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 | <ul style="list-style-type: none"> Matrox G200eW 16MB DDR2 |
| Super I/O | <ul style="list-style-type: none"> Nuvoton WPCM450RA0BX |

Input / Output

| | |
|-----------------------------|---|
| Serial ATA | <ul style="list-style-type: none"> 6x SATA 2.0 ports total (4x 3Gb, 2x 6Gb) |
| LAN | <ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port |
| USB | <ul style="list-style-type: none"> 8x USB 2.0 ports total (2x rear + 6x via header) |
| VGA | <ul style="list-style-type: none"> 1x VGA port |
| Serial Port / Header | <ul style="list-style-type: none"> 2x Fast UART 16550 serial port (one header and one rear port) |

Expansion Slots

| | |
|--------------------|--|
| PCI-Express | <ul style="list-style-type: none"> 1 (x16) PCI-E 2.0 slot 2 (x4) PCI-E 2.0 (in x8) slots |
| PCI | <ul style="list-style-type: none"> 3 PCI 32-bit slots |

System BIOS

| | |
|----------------------|--|
| BIOS Type | <ul style="list-style-type: none"> 32Mb SPI Flash EEPROM w ith AMI BIOS |
| BIOS Features | <ul style="list-style-type: none"> 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

PC Health Monitoring

| | |
|-----------------------|--|
| CPU | <ul style="list-style-type: none"> 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 w ith auto-sense from 0.8375V-1.60V |
| FAN | <ul style="list-style-type: none"> Total of 5 fan headers supporting up to 5 fans Five 4-pin fan headers 5x fans w ith tachometer status monitoring Status monitor for speed control Status monitor for on/off control Support 3-pin fans (w/o speed control) Low noise fan speed control Pulse Width Modulated (PWM) fan connectors |
| Temperature | <ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support FC temperature sensing logic Thermal Monitor 2 (TM2) support PECI |
| LED | <ul style="list-style-type: none"> CPU / System Overheat LED +5V Standby alert LED |
| Other Features | <ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header |

OS Compatibility

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

Parts List

Parts List (Bulk Package)

| | Part Number | Qty | Description |
|--------------------|------------------|-----|--|
| X9SCA-F | MBD-X9SCA-F | 1 | X9SCA-F Motherboard |
| I/O Cables | CBL-0044L | 6 | 57.5CM SATA FLAT S-S PBF |
| Driver Disk | CDR-X9-UP | 1 | DRIVER CD FOR X9-UP SERIES MOTHERBOARD |
| I/O Shield | MCP-260-00027-0N | 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 X9SCA-F motherboard is using a dedicated graphic from Matrox G200eW.

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