X9SBAA

Key Features

1. Intel® Atom™ Processor S1260; 2.0GHz 8.5W, VT-x, 64-bit, Dual-Core, Hyper-Threading
2. System-on-Chip
3. Up to 8GB DDR3-1333 ECC SO-DIMM in single socket
4. 4x SATA3 (6Gb) ports with RAID 0, 1
5. 2x USB 3.0 ports
6. 1x PCI 32-bit slot (3.3V)
7. Operating Temperature: 0°C - 60°C

Links & Resources

- Tested Memory List
- Tested HDD / SSD 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-X9SBAA -O	X9SBAA (Retail Pack)
MBD-X9SBAA -B	X9SBAA (Bulk Pack)

Physical Stats

Form Factor	Mini-ITX
Dimensions	6.7" x 6.7" (17cm x 17cm)

Processor/Cache

CPU	▪ Intel® Atom™ S1260 (Centerton) ▪ System-on-Chip ▪ 2.0GHz ▪ 2C/4T, 64-bit, VT-x, HT

System Memory

Memory Capacity	▪ 1x 204-pin DDR3 SO-DIMM socket ▪ Supports up to 8GB DDR3 ECC memory
Memory Type	▪ 1333/1066/800MHz ECC DDR3 SDRAM, 204-pin gold-plated DIMMs
DIMM Sizes	▪ 8GB, 4GB, 2GB
Memory Voltage	▪ 1.5 V, 1.35 V

On-Board Devices

SATA	▪ Marvell 88SE9230 ▪ SATA 3.0 (6Gb/s) ▪ Raid 0,1 support (Windows Only)
Network Controllers	▪ Intel i350AM2 Gigabit Ethernet ▪ Virtual Machine Device Queues reduce I/O overhead ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
USB	▪ Renesas uPD720201

Input / Output

Serial ATA	▪ 4x SATA 3.0 ports
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports
USB	▪ 2x USB 3.0 ports
Serial Port	▪ 2 Fast UART 16550 Serial Port (1 via header and 1 at rear)
DOM	▪ DOM power connector support (Disk on Module)
Others	▪ TPM header

Chassis (Optimized for X9SBAA)

1U Chassis	▪ CSE-504-203B

Expansion Slots

PCI	▪ 1x 32-bit PCI slot (3.3V)

System BIOS

BIOS Type	▪ 64Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ DMI 2.3 ▪ PCI 2.3 ▪ ACPI 1.0 / 2.0 / 3.0 / 4.0 ▪ USB Keyboard support ▪ SMBIOS 2.7.1 ▪ UEFI

Management

Software	▪ SuperDoctor® III ▪ Watch Dog ▪ NMI
Power Configurations	▪ ACPI / ACPM Power Management ▪ Main Switch Override Mechanism

PC Health Monitoring

Voltage	▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages.
FAN	▪ Total of 3x 4-pin fan headers ▪ 3x fans with tachometer status monitoring ▪ Status monitor for speed control ▪ Status monitor for on/off control ▪ Low noise fan speed control ▪ Pulse Width Modulated (PWM) fan connectors
Temperature	▪ Monitoring for CPU and chassis environment ▪ CPU thermal trip support
LED	▪ System Overheat LED
Other Features	▪ Chassis intrusion detection ▪ Chassis intrusion header

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-X9SBAA -B	1	X9SBAA Motherboard
I/O Shield	MCP-260-00042-1N	1	X9SBAA-F standard I/O Shield

I/O Cables	CBL-0044L	2	57.5CM SATA FLAT S-S PBF