

X9DBL-i

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Key Features

1. Dual socket B2 (LGA 1356) supports Intel® Xeon® processor E5-2400 v2
2. Intel® C602 chipset
3. Up to 384GB DDR3 1600MHz LRDIMM / 192GB RDIMM; 6x DIMM slots
4. Expansion slots: 1 PCI, 3 PCI-E 3.0 x8
1 PCI-E 3.0 x16, 1 PCI-E 3.0 x4 (in x8)
5. Intel® 82574L GbE LAN, 2 ports
6. 8x SATA2 and 2x SATA3 ports
7. 7x USB 2.0 ports
(2 rear, 4 via header + 1 Type A)

Links & Resources

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

Specifications

Product SKUs

MBD-X9DBL-i -O	■ X9DBL-i (Standard Retail Pack)
MBD-X9DBL-i -B	■ X9DBL-i (Bulk Pack)

Physical Stats

Dimensions	■ 12" x 10" (30.48cm x 25.4cm)
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Processor/Cache

CPU	■ Intel® Xeon® processor E5-2400 and E5-2400 v2 (up to 95W TDP **) ■ Dual Socket B2 (LGA 1356)
Cache	■ Up to 25MB
System Bus	■ QPI up to 8 GT/s
	** Motherboard supports this maximum TDP. Please verify your system can thermally support

System Memory

Memory Capacity	■ 6x 240-pin DDR3 DIMM slots ■ Up to 384GB DDR3 ECC LRDIMM ■ Up to 192GB DDR3 ECC Registered memory (RDIMM) ■ Up to 48GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)
Memory Type	■ 1600/1333/1066/800MHz* ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs ■ Support ECC and non-ECC UDIMMs * Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.
DIMM Sizes	■ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM
Memory Voltage	■ 1.5 V, 1.35 V
Error Detection	■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	■ Intel® C602 chipset
AHCI SATA	■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10 ■ SATA 3.0 6Gbps with RAID 0, 1, 5, 10
SCU SATA	■ SATA 2.0 3Gbps with RAID 0, 1, 5, 10
Network Controllers	■ Intel® 82574L Gigabit Ethernet ■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video	■ G200 (Nuvoton WPCM150G)

Input / Output

AHCI SATA	■ 2x SATA 3.0 ports (6Gbps) ■ 4x SATA 2.0 ports (3Gbps)
SCU SATA	■ 4x SATA 2.0 ports (3Gbps)
LAN	■ 2x RJ45 Gigabit Ethernet LAN ports

Chassis (Optimized for X9DBL-i)

1U Chassis	■ CSE-113MTQ-600CB ■ CSE-813MTQ-350C ■ CSE-813MTQ-441CB ■ CSE-813MTQ-R400CB
2U Chassis	■ CSE-823TQ-653B
3U Chassis	■ CSE-833T-653B
Tower / 4U Rackmount	■ CSE-842TQ-665B ■ CSE-842TQ-865B
Important Chassis Notes	■ To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.

Expansion Slots

PCI-Express	■ 1x PCI-E 3.0 x16 ■ 3x PCI-E 3.0 x8 ■ 1x PCI-E 3.0 x4 (in x8) ■ 1x PCI-32 (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
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System BIOS

BIOS Type	■ 64Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	■ Plug and Play (PnP) ■ APM 1.2 ■ PCI 2.3 ■ ACPI 1.0 / 2.0 / 3.0 / 4.0 ■ USB Keyboard support ■ SMBIOS 2.7.1 ■ UEFI 2.3.1

Management

Software	■ SuperDoctor® III ■ Watch Dog ■ NM
Power Configurations	■ ACPI / APM Power Management ■ Power-on mode for AC power recovery

PC Health Monitoring

Voltage	■ Monitors for CPU Cores, +1.1V, +1.5V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. ■ 5+1 Phase-switching voltage regulator
FAN	■ Six 4-pin fan headers with tachometer monitoring ■ 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

USB	■ 7x USB 2.0 ports total (2 rear + 4 via header + 1 Type A)
Video	■ 1x VGA port
Serial Port / Header	■ 2x Fast UART 16550 ports / 1 rear and 1 header
DOM	■ 1 DOM (Disk on Module) power connector

Temperature	■ CPU thermal trip support ■ Thermal Control for 6x Fan Connectors ■ Thermal Monitor 2 (TM2) support ■ PECI
LED	■ CPU / System Overheat LED ■ Suspend static indicator LED ■ UID/Remote UID
Other Features	■ Chassis intrusion detection ■ Chassis intrusion header ■ RoHS, Halogen Free ■ Dual Cooling Zones
Operating Environment	
Operating Temperature Range	■ 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	■ 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	■ 5% - 95% (non-condensing)

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

Parts List

Parts List (retail)			
	Part Number	Qty	Description
X9DBL-i	MBD-X9DBL-i	1	X9DBL-i Motherboard
I/O Cables	CBL-0044L	6	SATA CABLE 61CM FLAT S-S PBF
I/O Shield	MCP-260-00027-0N	1	Std I/O shield for server MB with 3rd LAN + 4xLAN

Optional Parts List			
	Part Number	Qty	Description
Heat Sink (optional, not included)	-	-	CPU Heat Sink reference