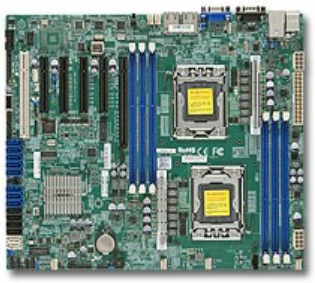
X9DBL-3F



Key Features

1. Dual socket B2 (LGA 1356) supports Intel® Xeon® processor E5-2400 v2
2. Intel® C606 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. 4x SATA2 and 2x SATA3 ports
7. 8x SAS/SATA2 ports from C606
8. Integrated IPMI 2.0 and KVM with Dedicated LAN
9. 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
- BMC/IPMI Firmware
- Download the Latest Drivers and Utilities
- Download Driver CD
- Heat Sink Compatibility
- OS Compatibility

Specifications

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

MBD-X9DBL-3F -O	X9DBL-3F (Standard Retail Pack)
MBD-X9DBL-3F -B	X9DBL-3F (Bulk Pack)

Physical Stats

Dimensions	12" x 10" (30.48cm x 25.4cm)

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® C606 chipset
SATA	SATA 2.0 3Gb/s with RAID 0, 1, 5, 10 SATA 3.0 6Gb/s with RAID 0, 1, 5, 10
SAS	SAS from C606 RAID 0, 1, 10 support
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
	Intel® 82574L Gigabit Ethernet

Chassis (Optimized for X9DBL-3F)

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.)

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 NMI IPMI 1.5 / 2.0
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

Network Controllers	▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8201F PHY (dedicated IPMI)
Video	▪ Matrox G200eW

Input / Output

SATA	▪ 2x SATA 3.0 ports (6Gb/s) ▪ 4x SATA 2.0 ports (3Gb/s)
SAS	▪ 8x SAS/SATA2 ports
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
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

	▪ Pulse Width Modulated (PWM) fan connectors
Temperature	▪ Monitoring for CPU and chassis environment ▪ 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-3F	MBD-X9DBL-3F	1	X9DBL-3F Motherboard
I/O Cables	CBL-0044L	8	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

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