

X9DBU-3F

Products ► Motherboards ► Xeon® Boards ► [X9DBU-3F]



Product SKUs - Discontinued SKU (EOL). Please contact

Key Features

- 1. Dual socket B2 (LGA 1356) supports Intel® Xeon® processor E5-2400 v2
- 2. Intel® C606 chipset
- 3. Up to 768GB DDR3 1600MHz LRDIMM / 384GB RDIMM; 12x DIMM slots
- 4. Riser card support: Left side - 1x PCI-E 3.0 x24 Right side - 1x PCI-E 3.0 x8
- 5. Intel® i350 Dual port GbE LAN
- 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. 8x USB 2.0 ports (2 rear + 4 via header + 2 Type A)

Links & Resources

- ▶ Tested Memory List
- ▶ Tested HDD / SSD List
- ▶ Motherboard Manual
- ▶ Quick Reference Guide
- ► <u>Update Your BIOS</u>
- ▶ BMC/IPMI Firmware
- Download the Latest Drivers and Utilities
- ▶ <u>Download Driver CD</u>
- ▶ Heat Sink Compatibility
- ▶ OS Compatibility

Specifications

sales-rep for a	Ilternative options.		
MBD-X9DBU- 3F -O	■ X9DBU-3F (Standard Retail Pack)		
MBD-X9DBU- 3F -B	X9DBU-3F (Bulk Pack)		
Physical Stats			
Form Factor	■ Proprietary UIO		
Dimensions	■ 12" x 13" (30.5cm x 33.0cm)		
2	2 12 X 10 (colosin x colosin)		
Processor/Cad	che		
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 Memo	ry		
Memory Capacity	12x 240-pin DDR3 DIMM slots Up to 768GB DDR3 ECC LRDIMM Up to 384GB DDR3 ECC Registered memory (RDIMM) Up to 96GB 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 Devi	ces		
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		

Chassis (Optim	ized for X9DBU-3F)			
1U Chassis	■ <u>CSE-113TQ-R500UB</u> ■ CSE-813T-600UB ■ <u>CSE-815TQ-R500UB</u>			
2U Chassis	■ CSE-825TQ-R740UB			
Tower / 4U Rackmount	 CSE-417E16-R1K28UB CSE-417E26-R1K28UB CSE-847A-R1K28UB CSE-847E16-R1K28UB CSE-847E26-R1K28UB 			
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 x24 (left hand side riser card support) 1x PCI-E 3.0 x8 (right hand side riser card support) (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.) 			
Custom BIOC				
System BIOS				
BIOS Type BIOS Features	64Mb SPI Flash EEPROM with AMI BIOS Plug and Play (PnP) APM 1.2 PCI 2.3 ACPI 1.0 / 2.0 / 3.0 / 4.0 BIOS rescue hot keys USB Keyboard support SMBIOS 2.7.1 UEFI 2.3.1			
Management				
Software	■ SuperDoctor® III ■ Watch Dog ■ NM ■ IPMI 1.5 / 2.0			
Power Configurations	■ ACPI / APM Power Management ■ Power-on mode for AC power recovery			
PC Health Moni	toring			

SAS	RAID 0, 1, 10 support Support for Intelligent Platform Management Interface v.2.0		 Monitors for CPU Cores, +1.1V, +1.5V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, 4 Memory Voltages. 5+1 Phase-switching voltage regulator
IPMI			Six 4-pin fan headers with tachometer monitoring Status monitor for speed control Status monitor for on/off control
Network Controllers	Intel® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 108ASE T 1008ASE TY and	FAN	Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Controllers	Controllers Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201F PHY (dedicated IPMI)		 Monitoring for CPU and chassis environment CPU thermal trip support
Video Input / Output	Matrox G200eW	Temperature	Thermal Control for 6x Fan Connectors Thermal Monitor 2 (TM2) support PEC
SATA	2x SATA 3.0 ports (6Gb/s) 4x SATA 2.0 ports (3Gb/s)	LED	CPU / System Overheat LED indicator Suspend static indicator LED
SAS	■ 8x SAS/SATA2 ports		■ UID/Remote UID
LAN	2x RJ45 Gigabit Ethernet LAN ports1x RJ45 Dedicated IPMI LAN port	Other SDDC Support	
USB	■ 8x USB 2.0 ports total (2 rear + 4 via header + 2 Type A)		RoHS Dual cooling zones
Video	■ 1x VGA port		<u> </u>
Keyboard/Mo	ouse ■ PS/2 Keyboard/Mouse ports	Operating Envir	ronment
Serial Port / Header	2x Fast UART 16550 ports / 1 rear and 1 header	Operating Temperature	■ 10°C - 35°C (50°F - 95°F)
DOM	 1 DOM (Disk on Module) power connector 	Range Non- Operating	
TPM	■ 1 TPM Header	Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
		Operating Relative Humidity Range	■ 8% - 90% (non-condensing)
		Non- Operating Relative Humidity	■ 5% - 95% (non-condensing)

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

Parts List

Range

Parts List (retail)							
	Part Number	Qty	Description				
X9DBU-3F	MBD-X9DBU-3F	1	X9DBU-3F Motherboard				
I/O Cables	CBL-0044L	2	SATA CABLE 61CM FLAT S-S PBF				
I/O Cables	CBL-0097L-03	2	30AWG 50CM Ipass to 4 SATA, W/50cm SB, S				
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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