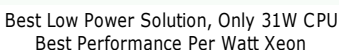


Products ▶ Motherboards ▶ Xeon Boards ▶ [X6DLP-EG2]



1. Dual Intel® Dual Core Xeon® Processor LV (Low Voltage), 667 MHz FSB
2. Intel® E7520 Chipset
3. Up to 16GB DDR2 400 SDRAM
4. Intel® 82573V and 82573L Gigabit Ethernet Controllers
5. 2x SATA Ports via 6300ESB SATA Controller, RAID 0, 1
6. 1 (x8) PCI-Express,
1 Universal Slot [1 (x8) PCI-e or 1x 66MHz PCI-X],
1x 64-bit 66MHz PCI-X,
1x 32-bit 33MHz PCI
7. IPMI 2.0 Socket
8. Low Noise Fan Speed Control

- ▶ [Tested Memory List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [Download the Latest Drivers and Utilities](#)

Product SKUs	
MBD-X6DLP-EG2-O	X6DLP-EG2 (Standard Retail Pack)
MBD-X6DLP-EG2-B	X6DLP-EG2 (Bulk Pack)
Physical Stats	
Form Factor	ATX
Dimensions	12.05" x 9.6" (30.6cm x 24.4cm)
Processor/Cache	
CPU	- Dual 479-pin FC-mPGA4 Sockets Dual-Core 32-bit Xeon Processor LV (Low Voltage / Low Power) CPUs (31W) up to 2.5GHz (2x1MB) L2 Integrated Advanced Transfer Cache
System Bus	667 MHz system bus
Operating System Software	Supports 32-bit Operating Systems
System Memory	
Memory Capacity	- Eight 240-pin DIMM sockets - Supports up to 16 GB DDR2 400 MHz memory - Dual channel memory bus - Memory must be populated in pairs - Single-rank modules are recommended for 6+ DIMM support
Memory Type	DDR2 400MHz buffered (registered) ECC SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	256 MB, 512 MB, 1GB, 2GB
Memory Voltage	1.8V only
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory) - Supports Intel® x4 Single Device Data Correction (SDCC)
On-Board Devices	
Chipset	- Intel® E7520 chipset - MCH + 6300ESB + 82573V/L
SATA	6300ESB SATA Controller (2x Drive support) 2x SATA Ports - SATA HostRAID 0, 1 support
IPMI	- Support for Intelligent Platform Management Interface v. 2.0 (Optional: AOC-IPMI20-E)
Network Controllers	- Intel® 82573V and 82573L Single Port Gigabit Controllers - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics	ATI Rage XL SVGA PCI video controller with 8 MB of video memory
Super I/O	Winbond 83627HF chip
Clock Generator	ICS9DB108BFT chip
Input / Output	
Serial ATA	- Two Serial ATA ports - Two SATA hard drives supported
IDE	- Dual EIDE channels support up to four UDMA / IDE devices - Supports UDMA Mode 5, PIO Mode 4, and ATA/100
Floppy	1 Floppy controller; 1.44 MB support
LAN	2x RJ45 LAN ports
USB	2x USB rear ports 1x USB internal headers for 2 ports - USB 2.0 Compliant / 1.1 Compliant
VGA	1x VGA port
Keyboard / Mouse	PS/2 keyboard and mouse ports
Serial Ports	1 Fast UART 16550 serial port 1 header
Parallel Port	1 ECP / EEP parallel port header

1U	▪ SC811LF-260 (low-speed, power-saving low-noise fan) ▪ SC512LF-260 (low-speed, power-saving low-noise fan) ▪ SC813MT-300C
Important Chassis Notes	▪ To ensure system stability, a 200W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]

PCI-Express	▪ 1 (x8) PCI-e slot
PCI-X	▪ 1 Universal Slot [1 (x8) PCI-e or 1x 66MHz PCI-X] ▪ 1x 64-bit 66MHz PCI-X (3.3V) slots
PCI	▪ 1x 32-bit 33MHz PCI (5V) slot

BIOS Type	▪ 8Mb Flash EEPROM w/with AMI® BIOS ▪ SST
BIOS Features	▪ Plug and Play (PnP) ▪ SMBIOS 2.3 ▪ APM 1.2 ▪ DMI 2.3 ▪ PCI 2.2 ▪ ACPI 1.0 ▪ BIOS Rescue hot keys ▪ USB Keyboard support ▪ Hardw are BIOS Virus protection

Software	▪ Optional IPMI (Intelligent Platform Management Interface) 2.0 ▪ <u>SuperDoctor® III</u> ▪ Watch Dog ▪ NMI
Power Configurations	▪ ACPI/APM Power Management ▪ Main Switch Override Mechanism ▪ Wake-On-Ring (WOR) header ▪ Wake-On-LAN (WOL) header ▪ Power-on mode control for AC power loss recovery ▪ Internal/External modem remote ring-out

Voltage

- Monitors for CPU Cores (+1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, VBAT)
- CPU Core 3-Phase-switching voltage regulator with auto-sense from 1.2V-1.3V

- Support both 4-pin and 3-pin fans
- Low noise fan speed control
- Pulse Width Modulated (PWM) fan connector

- I²C temperature sensing logic
- Thermal Monitor 2 (TM2) support

- Suspend-state indicator LED

- SDDC support



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

- Passed to meet FCC standard requirement

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

Parts List			
	Part Number	Qty	Description
X6DLP-EG2	MBD-X6DLP-EG2-O	1	X6DLP-EG2 Motherboard
Manual(s)	MNL-0883	1	Motherboard Manual for X6DLP-EG2
I/O Cables	CBL-010L-01	1	9-pin Serial Port Cable
	CBL-0022L	1	ATX Floppy Cable
	CBL-0036L-03	1	ATA 66/100 IDE LP Cable
	CBL-0044L	1	2 Ft. Serial ATA Pb-Free Cable
Driver Disk	CDR-X6	1	Softw are and Driver CD, Revision 1.03 or new er
I/O Shield	CSE-PT07L	1	Motherboard I/O Shield
CPU HeatSink	SNK-P0019	2	Passive Heatsink for CPU

Note: Items in a Standard Retail Package may differ from items in a Standard Bulk Package.