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1. Dual Intel® 64-bit Xeon® Support, up to 3.80 GHz, 800 MHz FSB
2. Intel® E7320 (Lindenhurst VS) Chipset
3. Up to 12GB DDR 333 SDRAM (or)
Up to 24GB DDR 266 SDRAM
4. Dual Intel® 82541GI Gigabit Ethernet Controllers
5. LSI 1020 Single Channel Ultra320 SCSI
6. 2x SATA Ports via 6300ESB SATA Controller
7. 1 (x4) PCI-Express,
1x 64-bit 133MHz PCI-X,
1x 64-bit 100MHz PCI-X,
1x 32-bit 33MHz PCI
8. IPMI 2.0 Socket
9. Fan speed control for low noise.

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Specifications

Physical Stats	
Form Factor	▪ ATX
Dimensions	▪ 12" x 10" (30.5cm x 25.4cm)
Processor/Cache	
CPU	▪ Dual 604-pin FC-mPGA4 Sockets ▪ Supports up to two Intel® 64-bit Xeon® processor(s) of the same type below : ▪ Xeon (Nocona) CPU with 1MB L2 Integrated Advanced Transfer Cache, up to 3.60 GHz ▪ Xeon (Irwindale) CPU with 2MB L2 Integrated Advanced Transfer Cache, up to 3.80 GHz ▪ Xeon LV (Low Voltage) CPU, up to 2.8 GHz
System Bus	▪ 800 MHz system bus
Operating System Software	▪ Supports 64-bit Operating Systems ▪ Supports 32-bit Operating Systems ▪ OS Compatibility Chart
System Memory	
Memory Capacity	▪ Six 184-pin DIMM sockets ▪ Supports up to 12 GB DDR 333 MHz memory or ▪ Supports up to 24 GB DDR 266 MHz memory ▪ Dual channel memory bus ▪ Memory must be populated in pairs
Memory Type	▪ DDR333/266MHz buffered (registered) ECC SDRAM 72-bit, 184-pin gold-plated DIMMs
DIMM Sizes	▪ 256 MB, 512 MB, 1GB, 2GB, 4GB**
Memory Voltage	▪ 2.5 V only
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory) ▪ Supports Intel® x4 Single Device Data Correction (SDDC)
On-Board Devices	
Chipset	▪ Intel® E7320 chipset ▪ MCH + 6300ESB + PXH +82541GI
SATA	▪ Intel 6300ESB (Hance Rapids) SATA Controller (2x Drive support) ▪ 2x SATA Ports ▪ RAID 0, 1, JBOD support
SCSI	▪ LSI 1020 U320 SCSI Controller ▪ Single-Channel Ultra320 SCSI ▪ Integrated Mirroring (Host RAID 1) support
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 (Optional)
Network Controllers	▪ Dual Intel® 82541GI Single Port Gigabit Controller ▪ 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
Input / Output	
Serial ATA	▪ Tw o Serial ATA ports ▪ Tw o 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, 2.88 MB, 3-mode support
LAN	▪ 2x RJ45 LAN ports
USB	▪ 2x USB rear ports ▪ 2x USB internal headers ▪ USB 2.0 Compliant / 1.1 Compliant
VGA	▪ 1x VGA port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Ports	▪ 2 Fast UART 16550 serial ports
Parallel Port	▪ 1 ECP/ EEP parallel port header

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

Parts List

Parts List			
	Part Number	Qty	Description
	MBD-X6DVA-4G-O	1	X6DVA-4G Motherboard
Manual(s)	MNL-0746	1	Motherboard Manual for X6DVA-4G
I/O Cables	CBL-0010	1	9-pin Serial Port Cable
	CBL-022	1	ATX Floppy Cable
	CBL-034-U320	1	LVD, Ultra320 SCSI Cable
	CBL-036L-02	1	ATA 66/100 IDE LP Cable
	CBL-044L	1	2ft. Amphenol, SATA Cable
Driver Disk	CDR-INTC 1.20	1	Version 1.20 CD or later
I/O Shield	CSE-PT7	1	Motherboard I/O Shield
Retention Module	SKT-0159	1	CPU mounting plate

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

** 4GB Memory has not been verified due to temporary module unavailability.