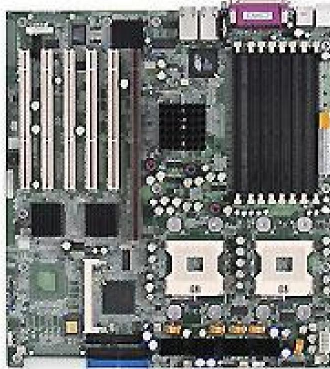


# X5DPE-G2

Products ▶ Motherboards ▶ Xeon Boards ▶ [ X5DPE-G2 ]



[Enlarge Image](#)

## Key Features

1. Dual Intel® Xeon® Support up to 3.2 GHz
2. Intel® E7501 Chipset
3. Up to 16GB DDR 266/200 SDRAM
4. Intel® 82546EB Dual Port Gigabit Ethernet Controller
5. Dual ATA/100 IDE Channels
6. 6 x 64-bit PCI-X expansion slots
7. ATI RageXL 8MB PCI Graphic Controller

## Links & Resources

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

## Specifications

### Physical Stats

<b>Form Factor</b>	Extended ATX
<b>Dimensions</b>	12" x 13.05" (30.5cm x 33.1cm)

### Processor/Cache

<b>CPU</b>	<ul style="list-style-type: none"> <li>• Dual mPGA604 ZIF Sockets</li> <li>• Supports up to two Intel® Xeon® processor(s) with 1MB integrated Advanced Transfer Cache up to 3.20GHz</li> </ul>
<b>System Bus</b>	533MHz/400MHz system bus

### System Memory

<b>Memory Capacity</b>	<ul style="list-style-type: none"> <li>• Eight 184-pin DIMM sockets</li> <li>• Supports up to 16 GB DDR266/200 memory</li> <li>• Dual channel memory bus</li> <li>• Memory must be populated in pairs</li> </ul>
<b>Memory Type</b>	DDR266/200 registered ECC SDRAM 72-bit, 184-pin gold-plated DIMMs
<b>DIMM Sizes</b>	256 MB, 512 MB, 1 GB, 2 GB
<b>Memory Voltage</b>	2.5 V only

### On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"> <li>• Intel® E7501 chipset</li> <li>• MCH + ICH3-S + P64H2</li> </ul>
<b>IPMI</b>	Support for Intelligent Platform Management Interface v.1.5 (Optional)
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Dual Port Intel® 82546EB Gigabit Ethernet</li> <li>• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
<b>Graphics</b>	ATI Rage XL SVGA PCI video controller with 8 MB of video memory

### Input / Output

### Chassis ( Optimized for X5DPE-G2 )

<b>Rackmount Tower / 4U</b>	<ul style="list-style-type: none"> <li>• SC742i-420</li> <li>• SC742i-600</li> <li>• SC942i-550</li> <li>• SC942i-600</li> </ul>
-----------------------------	--

**Important Note** To ensure system stability, a 350W (minimum) ATX power supply [8-pin +12V AND (20 or 24-pin)] is required.

### System BIOS

<b>BIOS Type</b>	4Mb Flash EEPROM with Phoenix® BIOS
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• Plug and Play (PnP)</li> <li>• SMBIOS 2.3</li> <li>• DMI 2.1</li> <li>• ACPI 1.0</li> <li>• Hardware BIOS virus protection</li> </ul>

### Management

<b>Software / Hardware</b>	<ul style="list-style-type: none"> <li>• Optional IPMI (Intelligent Platform Management Interface) 1.5</li> <li>• Super Doctor III</li> <li>• Watch Dog</li> </ul>
<b>Power Configurations</b>	<ul style="list-style-type: none"> <li>• ACPI/APM Power Management</li> <li>• Main Switch Override Mechanism</li> <li>• Wake-On-Ring (WOR) header</li> <li>• Wake-On-LAN (WOL) header</li> <li>• Power-on mode control for AC power loss recovery</li> <li>• Internal/External modem remote ring-on</li> </ul>

### PC Health Monitoring

<b>CPU</b>	<ul style="list-style-type: none"> <li>• Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, 3.3V Standby</li> <li>• CPU Core 3-Phase-switching voltage regulator with auto-sense from 1.1V-1.5V&lt;</li> </ul>
------------	--

<b>PCI Expansion</b>	<ul style="list-style-type: none"> <li>• Max 2x 64-bit 133MHz PCI-X (3.3V) slots</li> </ul> <b>Default:</b> <ul style="list-style-type: none"> <li>• 3x 64-bit 100/66MHz PCI-X (3.3V) slot</li> <li>• 3x 64-bit 66MHz PCI-X (3.3V) slots</li> <li>• 1x SXB (Supermicro Extended Bus) slot</li> </ul>
<b>IDE</b>	<ul style="list-style-type: none"> <li>• Dual EIDE channels support up to four UDMA IDE devices</li> <li>• Supports UDMA Mode 5, PIO Mode 4, and ATA/100</li> </ul>
<b>USB</b>	Up to 5 USB ports
<b>Serial Ports</b>	2 Fast UART 16550 serial ports
<b>Parallel Port</b>	1 ECP / EEP parallel port
<b>Floppy</b>	1 Floppy controller; 1.44 MB, 2.88 MB, 3-mode support
<b>Keyboard / Mouse</b>	PS/2 keyboard and mouse ports

<b>FAN</b>	<ul style="list-style-type: none"> <li>• Total of five 3-pin fan headers</li> <li>• 4x fans with tachometer monitoring</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Monitoring for CPU, chassis, environment</li> <li>• CPU thermal trip support</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>• CPU Overheat LED</li> <li>• System Overheat LED</li> <li>• Suspend-state indicator LED</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>• Chassis intrusion detection</li> <li>• Chassis intrusion header</li> <li>• SDDC support</li> </ul>
<b>OS Compatibility</b>	
<ul style="list-style-type: none"> <li>• Please see our <a href="#">OS Compatibility Chart</a></li> </ul>	

### Parts List

#### Standard Retail Package

	Part Number	Qty	Description
<b>X5DPE-G2</b>	MBD-X5DPE-G2-O	1	X5DPE-G2 Motherboard
<b>Manual(s)</b>	MNL-0684	1	Manual for X5DP8-G2 / X5DPE-G2 / X5DPR-8G2+ / X5DPR-iG2+ / X5DPi-G2
<b>Retention Kits</b>	SKT-095-604E	2	Pentium 4, Xeon Heatsink Retention with 603 & 604-pin socket
<b>Fans</b>	FAN-042CF	2	Pentium® 4, Xeon, Active Heat Sink with Copper fin
<b>I/O Cables</b>	CBL-010	1	9-pin Serial Port Cable
	CBL-022	1	ATX Floppy Cable
	CBL-031	1	One Head USB Cable with Bracket
	CBL-036	1	ATA 66/100 IDE LP Cable
<b>Driver Disk</b>	CDR-INTC	1	Version 1.0 Chipset Driver CD
<b>I/O Shield</b>	CSE-PT7	1	I/O Shield for dual LAN

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