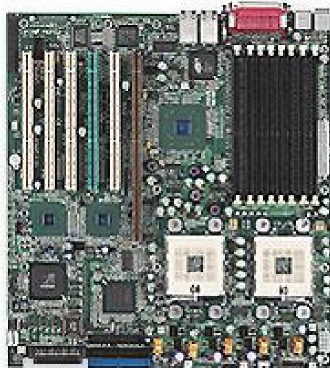


P4DP8-G2

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Key Features

1. Dual Intel® Xeon® Support up to 3.0 GHz
2. Intel® E7500 Chipset
3. Up to 16GB DDR 200 SDRAM
4. Intel® 82546EB Dual Port Gigabit Ethernet Controller
5. Adaptec AIC-7902 Dual-Channel Ultra320 SCSI
6. 6x 64-bit PCI-X expansion slots
7. ATI RageXL 8MB PCI Graphic Controller
8. Zero-Channel RAID Support

Links & Resources

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

Specifications

Physical Stats

Form Factor	Extended ATX
Dimensions	12" x 13.05" (30.5cm x 33.2cm)

Processor/Cache

CPU	<ul style="list-style-type: none"> • Dual mPGA603 ZIF Sockets • Supports up to two Intel® Xeon® processor(s) with 512KB of integrated Advanced Transfer Cache up to 3.0GHz
System Bus	400MHz system bus

System Memory

Memory Capacity	<ul style="list-style-type: none"> • Eight 184-pin DIMM sockets • Supports up to 16 GB DDR200 memory • Dual channel memory bus • Memory must be populated in pairs
Memory Type	DDR266/200 registered ECC SDRAM 72-bit, 184-pin gold-plated DIMMs
DIMM Sizes	128 MB, 256 MB, 512 MB, 1 GB, 2 GB
Memory Voltage	2.5 V only

On-Board Devices

Chipset	<ul style="list-style-type: none"> • Intel® E7500 chipset • MCH + ICH3-S + P64H2
SCSI	<ul style="list-style-type: none"> • Adaptec AIC-7902 Controller • Dual-Channel Ultra320 SCSI
RAID	<ul style="list-style-type: none"> • Support for Zero-Channel RAID with ZCR Card • Optional: (Card not included)
IPMI	Support for Intelligent Platform Management Interface v.1.5 (Optional)

Chassis (Optimized for P4DP8-G2)

2U Chassis	<ul style="list-style-type: none"> • SC822S-400LP
3U Chassis	<ul style="list-style-type: none"> • SC833S-R760
Rackmount Tower / 4U	<ul style="list-style-type: none"> • SC742S-420 • SC742S-600 • SC942S-600

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

System BIOS

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

Management

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

PC Health Monitoring

Network Controllers	<ul style="list-style-type: none"> Dual Port Intel® 82546EB Gigabit Ethernet Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 	CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, 3.3V Standby CPU Core 3-Phase-switching voltage regulator w/ auto-sense from 1.3V-1.5V Adjustable CPU clock frequency ratio settings (via BIOS)
Graphics	ATI Rage XL SVGA PCI video controller with 8 MB of video memory	FAN	<ul style="list-style-type: none"> Total of seven 3-pin fan headers 3x fans with tachometer monitoring Overheat backup fan connector Status monitor with firmware/software on/off control
Input / Output		Temperature	<ul style="list-style-type: none"> Monitoring for CPU, chassis, environment CPU thermal trip support
PCI	<ul style="list-style-type: none"> Max 2x 64-bit 133MHz PCI-X (3.3V) slots 2x 64-bit 100MHz PCI-X (3.3V) slots 3x 64-bit 66MHz PCI-X (3.3V) slots 1x SXB (Supermicro Extended Bus) slot 	LED	<ul style="list-style-type: none"> CPU Overheat LED System Overheat LED Suspend-state indicator LED
IDE	<ul style="list-style-type: none"> Dual EIDE channels support up to four UDMA IDE devices Supports UDMA Mode 5, PIO Mode 4, and ATA/100 	Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header Chipkill support
USB	Up to 5 USB ports		
Serial Ports	2 Fast UART 16550 serial ports		
Parallel Port	1 ECP / EEP parallel port		
Floppy	1 Floppy controller; 1.44 MB, 2.88 MB, 3-mode support		
Keyboard / Mouse	PS/2 keyboard and mouse ports		

Parts List

Standard Retail Package

	Part Number	Qty	Description
P4DP8-G2	MBD-P4DP8-G2-O	1	P4DP8-G2 Motherboard
Manual(s)	MNL-0659	1	Motherboard Manual for P4DP8-G2
	MNL-0669	1	Ultra320 SCSI Manual
Retention Kits	SKT-095E	2	Xeon Heatsink Retention w/ Enhanced Clip
Fans	FAN-042CF	2	Pentium® 4, Xeon, Active Heat Sink w/ Copper fin
I/O Cables	CBL-010L-01	1	9-pin Serial Port Cable
	CBL-022	1	ATX Floppy Cable
	CBL-031	1	One Head USB Cable w/ Bracket
	CBL-034	1	LVD, Ultra320 SCSI Cable
	CBL-036L-02	1	ATA 66/100 IDE LP Cable
Driver Disk	CDR-INTC	1	Version 1.0 Chipset Driver CD
I/O Shield	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.

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