

HP Consumer Support

Motherboard Specifications, P4SD-LA (Yale)

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Motherboard specifications table

Feature/Specification	Description
Motherboard Description	MB manufacturer: ASUS P4SD-LA HP name: Yale-UL6E
System BIOS Supplier	ASUS/Award
Board Form Factor	uATX
Processor Brand	Intel
Processor Socket Type	mPGA478
Processor Family	Pentium 4HT
Maximum Processor Core Frequency	Up to 3.2 GHz P4 Northwood
Processor Front Side Bus	800/533/400 MHz
Hyper Threading Support	Yes
Processor VRM Specification	Northwood FMB2
Chipset Name	Springdale-PE, GMCH rev A2
Chipset 'North Bridge'	865 PE, rev A2
Chipset 'South Bridge'	ICH5, rev A2
Super I/O	SMsC LPC47M192-NC

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Tips

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Flash BIOS Device Type and Density	FWH 4 Mbit
Memory Type	DDR SDRAMM (Supports duel channel)
Memory Speed	PC3200 (400 MHz), PC2700 (333 MHz), PC2100 (266 MHz)
Memory Sockets	Four DDR DIMM (184- pin)
Single or Dual Channel	Dual System Memory
Maximum Memory	Motherboard maximum:4 GB (4 x 1 GB) Maximum HP recommended memory: 2 GB (4 x 512 MB)
AGP Graphics Support	Yes
AGP Graphics Maximum Mode	AGP 8X
Graphics Connector	AGP 8x
TV-out Device or Configuration	No
Integrated Audio Type	AC'97
AC'97 Codec Device	Realtek ALC650
5.1 (Dolby) Channel Audio Support	Yes, Six speaker mode (requires audio driver and software setting changes)
Passive Speaker Output (amplified)	Speaker out header
Rear Audio Jacks	Microphone, Line-in, Line-out,
Front Audio Connectors	Headphones, Microphone, Line-in
Ethernet 10/100 LAN Supplier, Device	PCI Realtek,

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	RT8101L
Ethernet Configuration	Integrated, down
IEEE-1394 Support	Configuration: Integrated on motherboard MAC/PHY Device: TI TSB43AB22 Maximum transfer rate: 400MBps Ports: Two total (one front, one back)
IDE/ATAPI UDMA Modes	ATA 100/66
Expansion Slots	One AGP, Three PCI, One Ultra ATA
USB Ports	Supports up to 8 USB v2.0
USB Front/Rear Options	Up to four front, four rear
Rear External Ports	One serial, One parallel, One floppy, Two PS/2 (keyboard and mouse), One IEEE 1394, Four USB 2.0
Front External Ports	Two USB 2.0, One IEEE 1394
Fan support	Headers for CPU and System CPU Fan Speed Control for active fansink

System Fan
Speed Control

Available Manufacturer Options

Graphics up,
requires card
(U),

Integrated
LAN (L),

Six speaker
mode, Dolby
5.1 (6)

Integrated
1394 (E)

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Motherboard layout and photos

Figure 1: Photo

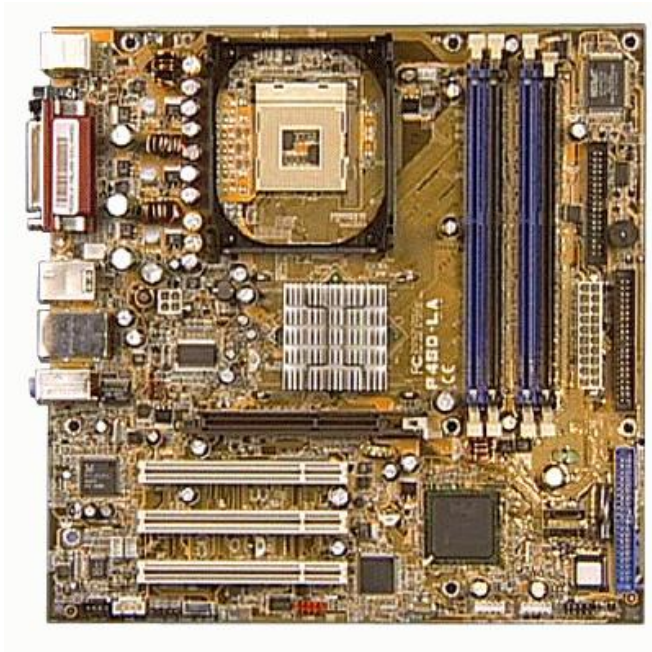


Figure 2: layout

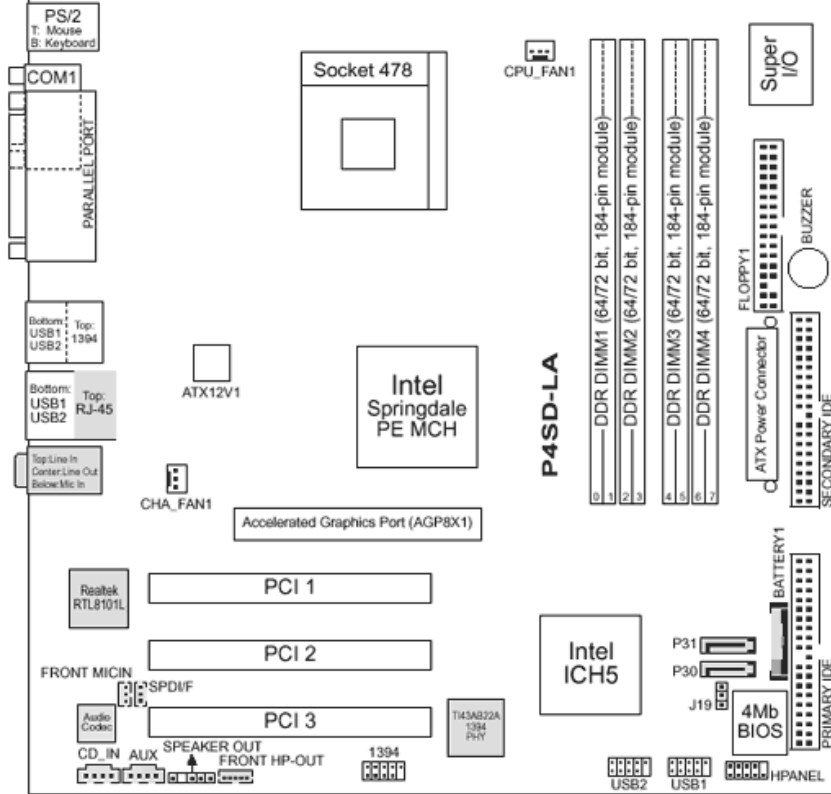
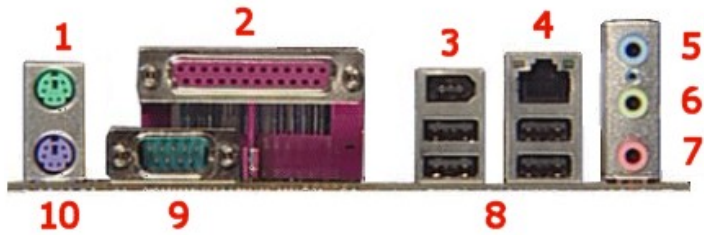


Figure 3: Backplate



- 1 - Mouse**
- 2 - Parallel**
- 3 - IEEE 1394 FireWire**
- 4 - LAN**
- 5 - Line-In**
- 6 - Line-Out**
- 7 - Microphone**
- 8 - USB**
- 9 - Serial**
- 10 - Keyboard**

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Clearing the CMOS Settings

The 3-pin J19 jumper allows you to clear the date, time, and system setup parameter memories in CMOS. The onboard button cell battery powers the RAM data in CMOS, including system setup information.



CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the J19 jumper cap from pins 1-2 (normal) to pins 2-3 (clear CMOS).
3. Keep the J19 jumper cap on pins 2-3 for 5 to 10 seconds, then move it back to pins 1-2.
4. Plug in the power cord and turn on the PC.
5. Press **F1** to enter the **BIOS setup** and change the BIOS settings.

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