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HP Pavilion Desktop PCs - Motherboard Specifications, TUSL-L (Hudson)

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Motherboard Information

Part/Feature	Specification/Support
Motherboard Description	<ul style="list-style-type: none"> • Manufacturer's name - ASUS TUSL-L • HP/Compaq name - Hudson
Motherboard Supplier	ASUS
System BIOS Supplier	ASUS/Award
Form Factor	UATX-> ATX
Processor Brand	Intel
Processor Socket Type	Socket 370
Processor Family	Pentium (R) III, Celeron (CuMine / Tualatin)
Processor Front Side Bus Frequency	133/100/66MHz
Chipset Name	Intel i815B-step
Chipset "North Bridge"	815B GMCH
Revision/Stepping	B0
Chipset "South Bridge"	ICH
Revision/Stepping	B1
Super I/O	SMsC LPC47M142
Revision/Stepping	-----
Flash BIOS Device	FWH 4mbit
Memory Type	SDRAM
Memory Speed	PC133/PC100
Memory Sockets	2 DIMM
Maximum Memory	512MB
Graphics Supplier	Intel
Graphics Configuration	Down, in chipset
Onboard Graphics Memory	UMA (Intel DVT)
Graphics Connector (AGP)	AGP 4X
TV-Out Device	Chrontel CH7009
TV-Out Configuration	Daughtercard
Audio	AC'97 Down

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AC'97 CODEC Device		Crystal CS4299
Audio Jacks (Legend below)		M, LI, LO, SO, M/G
M	Microphone	
LI	Line In	
LO	Line out	
SO	Speaker	
M/G	Midi/Game	
Ethernet 10/100 LAN Supplier		Realtek RTL8139C
Ethernet Configuration		PCI, Down
IDE UDMA Modes		ATA-66/33
Expansion Slots (AGP/PCI/Exten)		AGP, 3 PCI+Exten
USB Ports		4
USB Front/Back Options		2F + 2 B
Serial, Parallel, Floppy, PS2 Kbd and Mouse		2S, 1P, !F, PS2 K+M
Serial Port Front Chassis Option		Yes
Available Mfg Options (Legend below)		GLAS, PCI Exten, TV-Out card
A	Audio down on motherboard	
C	External L2 cache on motherboard	
E	1394 on motherboard	
G	Graphics down (on motherboard or in chipset)	
L	LAN on motherboard (ethernet)P - PCMCIA slot	
S	S3 power management support	
T	TV-out on motherboard	
U	Graphics card (up, not on motherboard)	
W	MS Windows XP hardware compliant	

Layout and photographs

Figure 1: Layout

Figure 2: Photograph

Figure 3: Backplate

- 1 - Mouse
- 2 - RJ45
- 3 - Parallel
- 4 - Gameport
- 5 - Microphone
- 6 - Line-out
- 7 - Line-in
- 8 - VGA
- 9 - Serial
- 10 - USB
- 11 - Keyboard

Clearing the CMOS settings

CAUTION: Do not change any jumper setting while the system is running. Damage to the motherboard may result.

The Clear RTC RAM (CMOSCLR solder points) jumper allows you to clear the Real Time Clock (RTC) in CMOS. It also allows clearing of date, time, and system setup parameter memories in CMOS, by erasing the RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, including system setup information such as system passwords.

1. Turn off the PC and unplug the power cord.
2. Locate the two solder points labeled "CMOSCLR" near the battery (refer to the system board layout diagram above).
3. Bridge the two solder points with a flat bladed screwdriver.
4. Plug in the power cord and turn on the PC.
5. Enter the **BIOS setup** to change BIOS settings.


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CAUTION: Do not change any jumper setting while the PC is running. Damage to the motherboard may result.

1. Turn off the PC and unplug the power cord.
2. Use a small screwdriver to cross the CMOSCLR solder point pins 2-3.
3. Start the PC and press **F1** to enter the **BIOS setup** and change the BIOS settings.

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