

# Addendum

This notebook computer system can be readily configured to accept CPUs and hard disk drives of various speeds, capacities, and manufacturers. This addendum provides detailed instructions on how to use the supplied system accessories to install a CPU and hard disk drive in your Notebook PC. You may disregard the information outlined in this addendum if the CPU and hard disk drive are pre-installed in your system. Keep this addendum with the User's Manual for future reference.

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## What You Have

In addition to items listed on page 17 of the Notebook PC User's Manual you will also find the following accessories:

- A hard disk drive mounting frame and four screws
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## What You Need

You will need:

- A Pentium CPU
- A 2.5" IDE hard disk drive

Your Notebook PC supports the following Pentium CPUs.

P54C (3.3V)	P54LM (2.9V)			P54CSLM (3.1V)			
75 MHz	75 MHz	90 MHz	100 MHz	100 MHz	120 MHz	133 MHz	150 MHz

Table A-1 Supported CPUs

Your Notebook computer also supports all popular 2.5" IDE hard disk drives. For high capacity hard disk drives (>540MB), be certain that high capacity IDE hard drive support is properly enabled by setting the "Large Disk Access Mode" entry in the "Advanced" sub-menu within the Setup Utility to the proper value. Valid values are "DOS" or "OTHER". See Chapter 5, Running The Setup

Configuration Utility, In the User's Manual.

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## CPU Installation

### Step 1 - Preparing the Notebook PC

- Turn off the Notebook PC.
- Unplug the AC cord from the wall jack and from the back of the Notebook PC.
- Remove the battery.

### Step 2 - Removing the keyboard.

- Position the computer with its display screen facing you.
- At the top of the keyboard are two locking tabs. Slide these toward each other.
- Carefully lift the top edge of the keyboard and slide the keyboard 1/8" forward to separate the keyboard from the notebook PC. Slide the keyboard toward you and rest it on top of the touch-pad. Take care not to twist or tug at the cable which connect the keyboard to the main board.
- The heat-pipe assembly is now visible.

### Step 3 - Removing the Heat-pipe assembly..

- The heat-pipe assembly is secured by two screws, located at 1) center at the top, and 2) left of center at bottom of the heat-pipe. Remove the heat-pipe assembly after un-screwing the screws.
- The main board is now visible.

### Step 4 - Installing the CPU

- Locate the CPU socket on the main board (see Figure A-1).

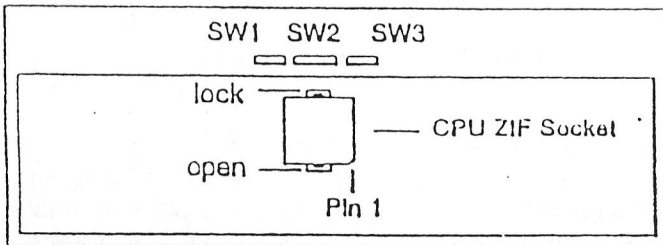


Figure A-1 CPU and switch locations

- Insert the tip of a flathead screwdriver into the small slot on the CPU ZIF socket marked "OPEN" (see Figure A-1). Gently push the screwdriver forward (toward the LCD screen) to open the CPU socket.
- Orient the CPU so that pin 1 on the chip (clipped corner) corresponds to pin 1 (see Figure A-1) on the socket.
- Carefully insert the CPU into the socket. It should drop easily into place (if force is required to insert the CPU, the socket has not been fully opened and is still in locked position. Remove the CPU and re-insert the screwdriver as before. Gently push the screwdriver forward to fully open the CPU socket. Re-insert the CPU into the socket).
- Insert the flathead screwdriver into the CPU ZIF socket slot marked "LOCK". Gently pull the screwdriver toward the keyboard by using an even and firm pressure. The socket should click into locked position.

#### Step 6 - Setting the CPU speed switches.

- Using a small screwdriver, adjust dip-switch SW1, SW2, and SW3 (located underneath the top cover, see Figure A-1) as necessary according to Table A-2 for the installed processor.

CPU Switch Position	SW1				SW2								SW3			
	1	2	3	4	1	2	3	4	5	6	7	8	1	2	3	4
75 MHz (3.3V)					X	X	X	X	X	X						X
75 MHz (2.9V)					X	X	X	X	X	X				X		
90 MHz (2.9V)		X			X	X	X	X	X	X				X		
100 MHz (2.9V)	X	X			X	X	X	X	X	X				X		
100 MHz (3.1V)	X	X			X	X	X	X	X	X			X			
120 MHz (3.1V)		X			X	X	X	X	X	X			X			
133 MHz (3.1V)	X	X			X	X	X	X	X	X			X			
150 MHz (3.1V)		X	X		X	X	X	X	X	X			X			
150 MHz (3.3V)*		X	X		X	X	X	X	X	X						X

\*For reference only. This 3.3V CPU is not recommended for mobile applications.

X = ON, Blank = OFF

Table A-2 SW1-3 settings

### **Step 7 - Replacing the Heat-pipe assembly and keyboard**

- Replace the heat-pipe assembly and secure its mounting screws to the PC.
- Replace the keyboard over the heat-pipe assembly by inserting the tabs at the bottom of the keyboard into the notebook and gently lowering the keyboard into the keyboard well.
- Secure the keyboard by pressing down on it while sliding the keyboard locking tabs away from each other into locked position.

### **Step 8 - Replacing the AC cord and battery**

- Install the battery into the Notebook PC.
- Connect the power supply cord to the Notebook PC and connect the power supply AC cord to the wall jack.

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## **Hard Disk Drive Installation**

### **Step 1 - Mounting the hard drive into the drive frame**

- Examine the hard drive mounting frame. There is a small ribbon cable with a 40-pin black header connector located inside the frame.
- Align the hard drive so that the pins on the drive correspond to the 40-pin header connector on the frame.
- Carefully insert the hard drive pins into the 40-pin header connector, taking care not to bend or break the pins.
- Align the hard drive mounting holes with the mounting holes on the frame. Secure the drive to the frame using the four screws provided.

### **Step 2 - Installing the hard drive into the Notebook PC.**

- Examine the left side of the notebook PC. There is an empty hard drive bay for the hard drive frame assembly.
- Gently insert the hard drive assembly into the drive bay. A click should be heard as the frame locks into place.
- The hard drive is now installed.