

# Getting Familiar with your Computer

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This computer combines high-performance, versatility, power management features and multimedia capabilities with unique style and ergonomic design. Work with unmatched productivity and reliability with your new power computing partner.

This chapter gives an in-depth tour of the computer's many features.

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## 1.1 Features

This computer was designed with the user in mind. Here are just a few of its many features:

### Performance

- ☐ Intel Pentium® processor with MMX™ technology
- ☐ 64-bit main memory and external (L2) cache memory
- ☐ Large LCD (Liquid Crystal Display) and PCI (Peripheral Component Interconnect) local bus video with graphics acceleration
- ☐ Internal CD-ROM drive and external 3.5-inch floppy drive (CD-ROM drive model)
- ☐ Internal 3.5-inch floppy drive (FDD model)
- ☐ High-capacity, Enhanced-IDE (Integrated Device Electronics) hard disk
- ☐ Nickel Metal-Hydride battery pack
- ☐ Power management system with standby and hibernation power saving modes

### Multimedia

- ☐ 16-bit high-fidelity stereo audio with 3-D sound
- ☐ Built-in dual speakers

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- ❑ Ultra-slim, high-speed CD-ROM drive

## Connectivity

- ❑ High-speed fax/data modem port<sup>1</sup> (on some models)
- ❑ USB (Universal Serial Bus) port

## Human-centric Design and Ergonomics

- ❑ Lightweight and slim
- ❑ Sleek, smooth and stylish design
- ❑ Full-sized keyboard
- ❑ Wide and curved palm rest
- ❑ Ergonomically-centered touchpad pointing device

## Expansion

- ❑ CardBus PC card (formerly PCMCIA) slots (two type II/I or one type III) with ZV (Zoomed Video) port support on upper slot
- ❑ User-upgradeable memory and hard disk

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<sup>1</sup> This feature is available only in the U.S., Canada, Japan and Taiwan. For other regions, you can connect a PC Card modem. Consult your dealer for details.

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## 1.2 Display

The large graphics display offers excellent viewing, display quality and desktop performance graphics. The computer supports two different display configurations — high contrast DSTN or TFT.

### Video Performance

PCI local bus video with graphics accelerator and 1.1MB EDO video RAM to boost video performance.

### Simultaneous Display

The computer's large display and multimedia capabilities are great for giving presentations. If you prefer, you can also connect an external monitor when giving presentations. This computer supports simultaneous LCD and CRT display. Simultaneous display allows you to control the presentation from your computer and at the same time face your audience. You can even connect an LCD projection panel for large-audience presentations.

### Power Management

The power management system incorporates an automatic LCD dim feature that automatically decides the best settings for your display and at the same time conserves power. See section 2.2 for more information on power management.

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## Opening and Closing the Display

To open the display, slide the display lid latch to the left and lift up the lid. Then tilt it to a comfortable viewing position. The computer employs a microswitch that turns off the display (and enters standby mode) to conserve power when you close the display cover, and turns it back on when you open the display cover.

To close the display cover, fold it down gently until the display cover latch clicks into place.



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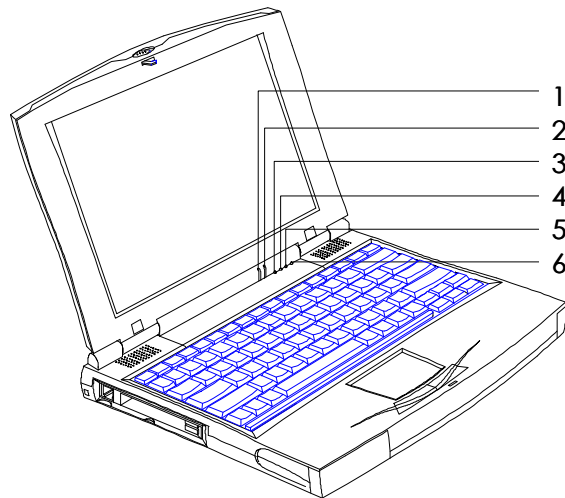
**Warning: To avoid damaging the display, do not slam it when closing. Do not place any object on top of the computer when the display is closed.**

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# Getting Familiar with your Computer







## 1.3 Indicators

The computer has six easy-to-read indicator lights (LEDs) near the display cover.



Two of these LEDs, Power and Standby, are visible even when you close the display cover so you can see the status of the computer while the cover is closed.

# Getting Familiar with your Computer

#	Icon	Function	Description
1		Power	Lights when the computer is on. Flashes when the battery is low.
2		Standby	Flashes when the computer enters Standby mode.
3		Media Activity	Lights when the hard disk or CD-ROM drive is active.
4		Battery Charge	Lights when the battery is being charged.
5		Caps Lock	Lights when Caps Lock is activated.
6		Num Lock	Lights when Num Lock is activated.

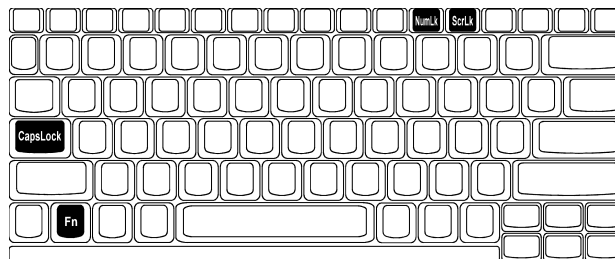
# Getting Familiar with your Computer

## 1.4 Keyboard

The keyboard has full-sized keys and includes an embedded keypad, separate cursor keys, two Windows 95 keys and twelve function keys.

### 1.4.1 Special Keys

#### Lock Keys



The keyboard has three lock keys which you can toggle on and off.

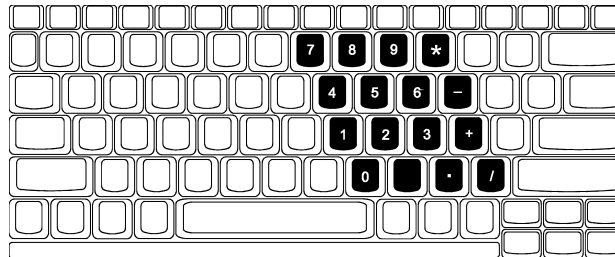
Lock Key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Fn-NumLk	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Fn-ScrLk	When Scroll Lock is on, the screen moves one line up or down when you press ↑ or ↓ respectively. However, Scroll Lock does not



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work with some applications.

## Embedded Keypad



The embedded keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

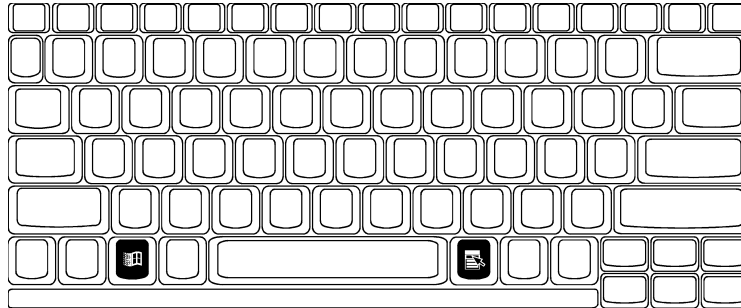
Desired Access	Num Lock On	Num Lock Off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold <b>Shift</b> while using cursor-control keys.	Hold <b>Fn</b> while using cursor-control keys.
Main keyboard keys	Hold <b>Fn</b> while typing letters on embedded keypad.	Type the letters in a normal manner.



**Note:** If an external keyboard or keypad is connected to the computer, the numlock feature automatically shifts from the internal keyboard to the external keyboard or keypad.

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## Windows 95 Keys

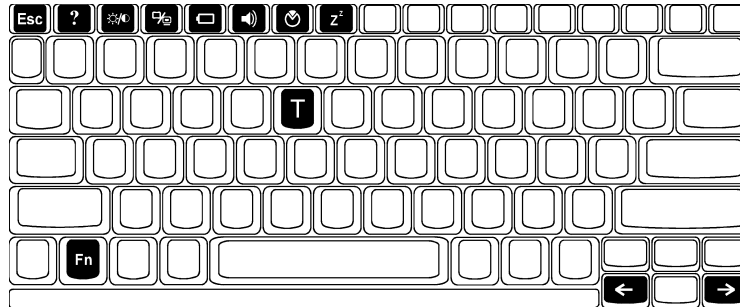


The keyboard has two keys that perform Windows 95-specific functions.



Key	Description
Windows logo key	Start button. Combinations with this key perform special functions. Below are a few examples: <ul style="list-style-type: none"><li>❑ <i>Windows + Tab</i> Activates next Taskbar button</li><li>❑ <i>Windows + E</i> Explore My Computer</li><li>❑ <i>Windows + F</i> Find Document</li><li>❑ <i>Windows + M</i> Minimize All</li><li>❑ <i>Shift + Windows + M</i> Undo Minimize All</li><li>❑ <i>Windows + R</i> Displays Run dialog box</li></ul>
Application key	Opens the application s context menu (same as right-click).

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## Hotkeys



The computer employs hotkeys or key combinations to access most of the computer's controls like screen contrast and brightness, volume output and the BIOS setup utility.

Hotkey	Icon	Function	Description
Fn-Esc	<b>Esc</b>	Hotkey Escape	Exits the hotkey control.
Fn-F1	?	Hotkey Help	Displays the hotkey list and help.
Fn-F2	☀/🌑	Brightness Control  Contrast Control 	<p>Toggles between brightness control and contrast control.</p> <p>Press the scale hotkeys (<b>Fn→</b>, <b>Fn←</b>) to increase and decrease the brightness or adjust the contrast level.</p> <p>Computers with TFT displays do not show the contrast control icon.</p>

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Hotkey	Icon	Function	Description
Fn-F3		Display Toggle	Switches display between the following: <ul style="list-style-type: none"> <li>LCD</li> <li>CRT</li> <li>Both LCD and CRT</li> </ul>
Fn-F4	 	Battery Gauge	Displays the battery gauge.
Fn-F5	 	Volume Control	Press the scale hotkeys ( <b>Fn-→</b> , <b>Fn-←</b> ) to increase and decrease the output level.
Fn-F6		Setup	Gains access to System setup by invoking Notebook Manager.
Fn-F7	<b>Z<sup>Z</sup></b>	Sleep	Enters hibernation mode if the hibernation function (Sleep Manager) is installed, valid and enabled; otherwise, the computer enters standby mode. See section 2.2.1 for more about standby and hibernation modes.
Fn-→	→	Scale Increase	Increases the setting of the current icon.
Fn-←	←	Scale Decrease	Decreases the setting of the current icon.
Fn-T		Toggle Touchpad	Turns the internal touchpad on and off.

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**Note:** If you want to use an external PS/2 mouse, connect the external PS/2 mouse, then disable the touchpad by pressing Fn-T.

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## Activating and Using Hotkeys

When activating hotkeys, press and hold the first key **Fn** before pressing the other keys in the hot key combination.

Some hotkeys pop-up an onscreen icon as shown in the previous table. For hotkeys with pop-up icons, press the scale hotkeys (**Fn-→** and **Fn-←**) to increase and decrease the setting of the icon.

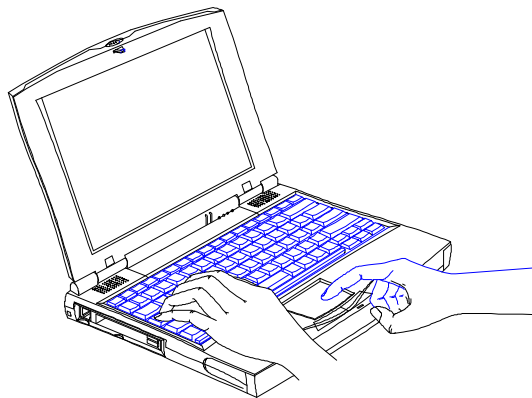
## Exiting Pop-up Icons and Screens

Press hot key escape (**Fn-Esc**) to exit a pop-up icon resulting from a hot key. Press **Esc** to exit a screen resulting from a hot key.

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## 1.4.2 Keyboard Ergonomics

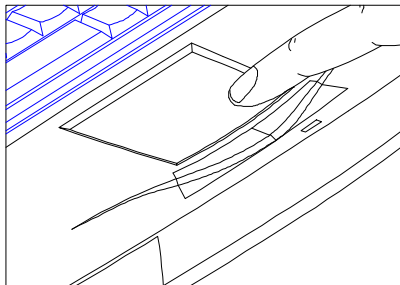
Located below the keyboard, the wide and curved palm rest gives you a place to rest your hands while you type.



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## 1.5 Touchpad

The built-in touchpad is a PS/2-compatible pointing device that senses movement on its surface. This means the cursor responds as you move your finger on the surface of the touchpad. The central location on the palm rest provides ample comfort and support.



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**Note:** When using an external PS/2 mouse, you can press **Fn-T** to disable the internal touchpad.

If you want to use an external PS/2 mouse, first enable the touchpad, connect the external PS/2 mouse, then disable the touchpad if necessary.

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### Touchpad Basics

The following items teach you how to use the touchpad:

- ☐ Move your finger across the touchpad to move the cursor.

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- ❑ Press the left and right buttons located on the edge of the touchpad to do selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad produces similar results.

Function	Left Button	Right Button	Tap
Execution	Click twice quickly		Tap twice (at the same speed as double-clicking the mouse button)
Selection	Click once		Tap once
Drag	Click and hold to drag the cursor		Tap twice (at the same speed as double-clicking the mouse button) and hold finger to the touchpad on the second tap to drag the cursor
Access Context Menu		Click once	



**Note:** Keep your fingers dry and clean when using the touchpad. Also keep the touchpad dry and clean.

The touchpad is sensitive to finger movements. Hence, the lighter the touch, the better the response. Tapping too hard will not increase the touchpad's responsiveness.



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## 1.6 Storage

High-capacity storage comes in the form of a 2.5-inch Enhanced-IDE hard disk. The computer also has either an internal 3.5-inch, 1.44MB floppy drive or an internal high-speed CD-ROM drive.

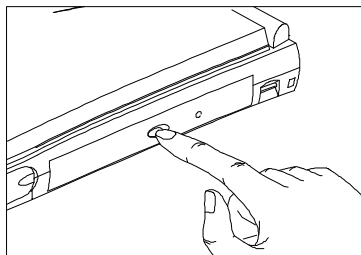
### 1.6.1 Hard Disk

The hard disk module can be upgraded when you need more storage space. See section 3.10.2.

### 1.6.2 Internal Drive

The computer comes with a built-in floppy drive or CD-ROM drive. The CD-ROM drive gives you portable multimedia access for models with built-in CD-ROM drives. An external floppy drive is included.

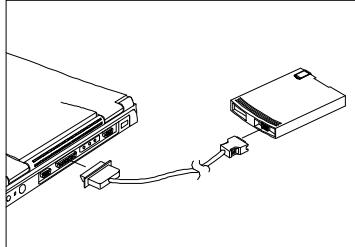
#### Ejecting the CD-ROM Tray



To eject the CD-ROM drive tray when the computer is turned on, press the CD-ROM eject button ▲.

# Getting Familiar with your Computer

## Connecting an External Floppy Drive



Connect the larger end of the floppy drive cable to the parallel port and the other end to the connector on the external floppy drive.



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**Note:** The external floppy drive is hot-pluggable. You do not need to turn off the computer to connect and use the floppy drive.

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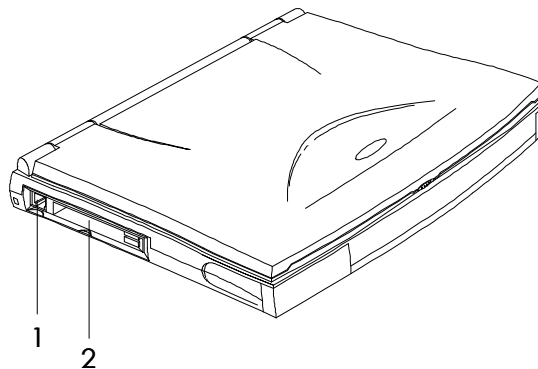
## 1.7 Ports

Ports allow you to connect peripheral devices to your computer as you would with a desktop PC. The ports are found on the rear panel; PC card slots and the modem jack are found on the left panel of the computer.



**Note:** See Chapter 3 on how to connect external devices to the computer.

### 1.7.1 Left Ports



#	Icon	Port	Connects to...
1		Modem Jack	Phone line
2		PC Card Slots	PC Cards

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## Fax/Data Modem Port (on some models)

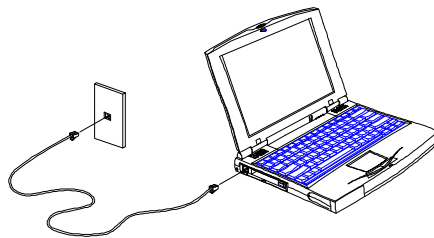
The computer has an optional built-in fax/data modem.<sup>1</sup>



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**Warning: This modem port is not compatible with digital phone lines. Plugging this modem into a digital phone line will damage the modem.**

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To use the fax/data modem port, connect a phone cable from the modem port to a telephone jack.

Start your communications software program. See your communications manual for instructions.

## PC Card Slots

There are two type II/I or one type III CardBus PC Card slots found on the left panel of the computer. These slots accept credit-card-sized cards that enhance the usability and expandability of the computer.

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<sup>1</sup> This feature is available only in the U.S., Canada, Japan and Taiwan. For other regions, you can connect a PC Card modem. Consult your dealer for details.

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PC Cards (formerly PCMCIA) are add-on cards for portable computers, giving you expansion possibilities long afforded by desktop PCs. Popular type II cards include flash memory, SRAM, fax/data modem, LAN and SCSI cards. Common type III cards are 1.8-inch ATA (Advanced Technology Attachment) drives and cellular modems. CardBus improves on the 16-bit PC card technology by expanding the bandwidth to 32 bits.

ZV (Zoomed Video) port support allows your computer to support hardware MPEG in the form of a ZV PC card (supported in the upper slot).

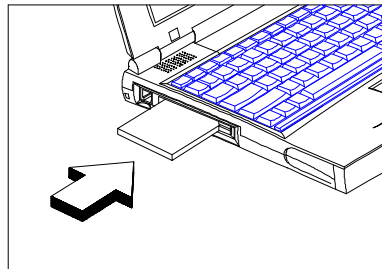


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**Note:** Refer to your card's user's manual for details on how to install and use the card and its functions.

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## Inserting a Card



Insert the card into the desired slot and make the proper connections (e.g., network cable), if necessary. See your card manual for details.

For type III cards, insert card into the lower slot.

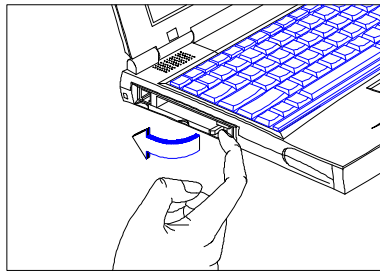
# Getting Familiar with your Computer



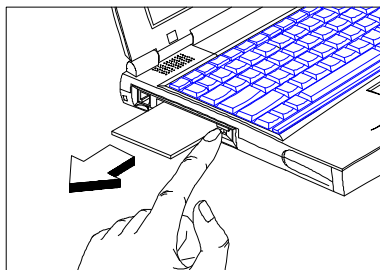
**Important:** If the computer detects a PC I/O card (e.g., modem card, ZV card) installed in the PC card slots, the computer will not enter standby/ hibernation mode but sleeps to maintain your communication connection.

## Ejecting a Card

Exit the application using the card, then follow these steps:



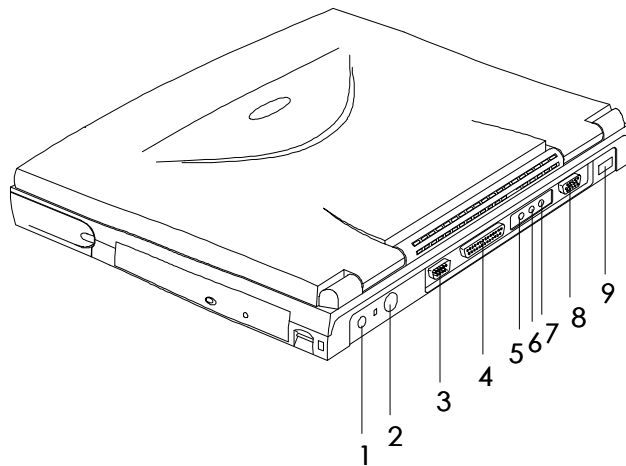
If the PC Card eject button (where the card is inserted) is tucked into its recessed area, pull it out.



Then press the slot eject button to eject the card.




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## 1.7.2 Rear Ports



#	Icon	Port	Connects to...
1		DC-in Port	AC adapter and power outlet
2		PS/2 Port	PS/2-compatible device (e.g., PS/2 keyboard, keypad, mouse)
3		Serial Port (UART16550-compatible)	Serial device (e.g., serial mouse)
4		Parallel Port (ECP-compliant)	External floppy drive, parallel device (e.g., parallel printer)
5		Line-out Port	Line-out device (e.g., speakers, headphones)
6		Line-in Port	Line-in device (e.g., audio CD player, stereo walkman)

## Getting Familiar with your Computer

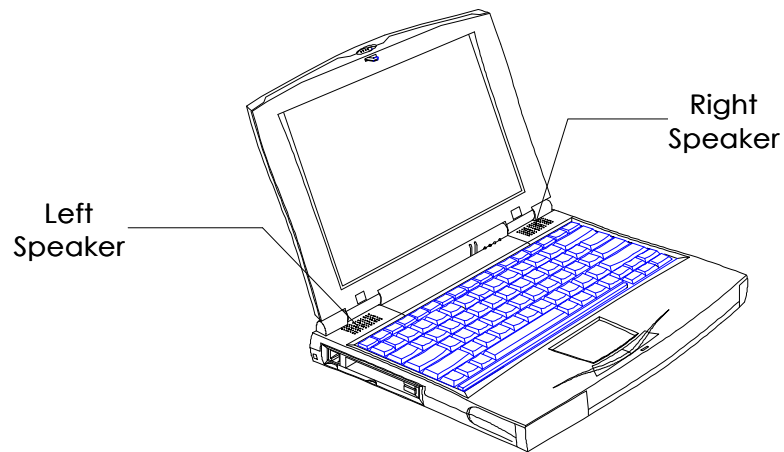
#	Icon	Port	Connects to...
7		Microphone-in Port	External 3.5mm minijack condenser microphone
8		External CRT Port	Monitor (up to 1024x768, 256-colors )
9		USB Port	Any USB device



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## 1.8 Audio

Standard computer configuration includes 16-bit high-fidelity stereo audio with further enhancements that include 3D sound for true audio immersion. Dual speakers, found near both ends of the display hinge, direct sound towards you to facilitate excellent stereo sound output.




Besides the built-in speakers, there are audio ports on the rear panel of the computer. See section 3.6 for more information on connecting external audio devices.

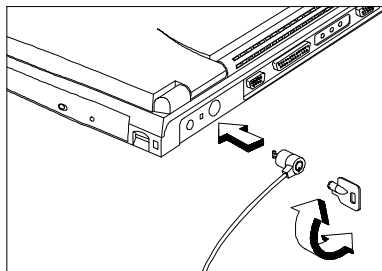
# Getting Familiar with your Computer

## 1.9 Securing your Computer

Security features include hardware and software locks — a security notch and a two-level password scheme.

### 1.9.1 Security Notch

A security notch  located on the rear panel of the computer lets you connect a Kensington-compatible key-based computer security lock.



Wrap a computer security lock cable around an immovable object such as a table or locked drawer handle. Insert the lock into the notch and turn the key to secure the lock.

### 1.9.2 Passwords

A two-level password scheme protects your computer from unauthorized access. When set, no one can access the computer without entering the correct password.

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There are two types of passwords you can set:

- ❑ *Setup Password* prevents unauthorized access to the Setup Utility. Once set, you must key-in this password the next time you want to enter the Setup Utility. Section 5.3 discusses this utility in detail.
- ❑ *Power-on Password* secures your computer against unauthorized use. Once set, you have to type it whenever you boot the computer.



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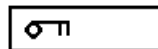
**Important: Do not forget your password!** If you forget your password, you need to contact your dealer.

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## Setting a Password

Follow these steps:

1. During POST (while the startup logo is being displayed), press **F2** to enter the Setup Utility.
2. Press the ↑ or ↓ key to select System Security, then press **Enter**.
3. Highlight a password parameter and press the → or ← key. The password prompt appears:



4. Type a password. The password may consist of up to seven characters (A-Z, a-z, 0-9).

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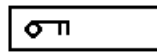
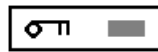


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**Important:** Be very careful when typing your password because the characters do not appear on the screen.

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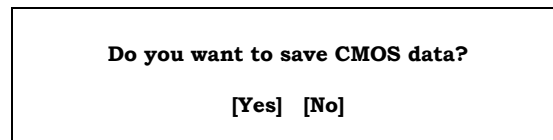
5. Press **Enter**. A prompt asks you to retype the password to verify your first entry.



6. Retype the password then press **Enter**.

After setting the password, the computer automatically sets the chosen password parameter to Enabled.

7. Press **Esc** to exit the System Security screen and return to the main menu.
8. Press **Esc** to exit the BIOS Utility. A dialog box appears asking if you want to save the CMOS data.



9. Select **Yes** to save the changes and reboot the computer.

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## Changing or Removing a Password

Should you want to change or remove a password, do the following:

1. During POST (while the startup logo is being displayed), press **F2** to enter the Setup Utility.

2. Select System Security and press **Enter**.

3. Highlight the desired password parameter to change or remove.

4. Press → or ← to display the password prompt and key-in a new password, or

Press → or ← and select **None** to remove the existing password.

5. Press **Esc** to exit the System Security screen and return to the main menu.

6. Press **Esc** to exit the Setup Utility. A dialog box appears asking if you want to save the CMOS data.

Do you want to save CMOS data?

[Yes] [No]

7. Select **Yes** to save the changes.