


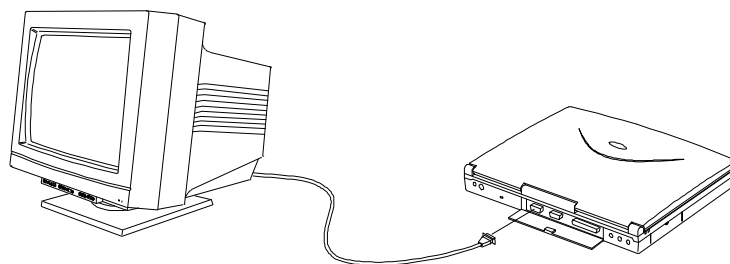
Options

Your notebook offers excellent expansion capabilities with its built-in ports and connectors. This chapter describes how to connect peripherals and hardware options that help you use your notebook computer with ease. When connecting peripherals, read the manual included with the peripheral for operating instructions.

This chapter also includes sections on how to upgrade key components. Key component upgradeability guards your notebook from becoming obsolete.


4.1 External Monitor


To show graphical effects on a larger display, open the port cover and connect an external monitor to the CRT port (). Read the monitor manual for additional instructions.

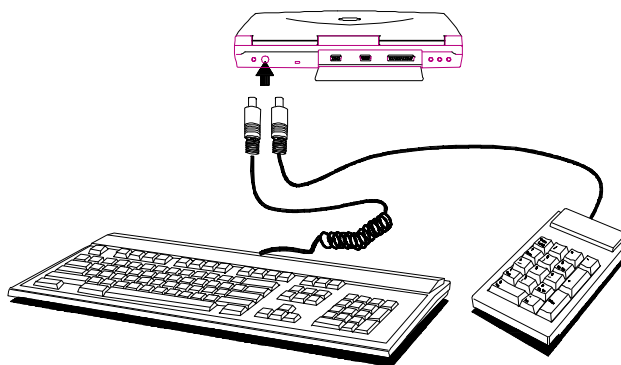


4.2 External Keyboard and Keypad

This notebook has a keyboard with full-sized keys and an embedded keypad. If you feel more comfortable using a desktop keyboard, you can install a PS/2-compatible external keyboard.



You can also use a 17-key numeric keypad for number-sensitive data entry applications. To connect the keypad, plug in the keypad connector to the PS/2 port () at the rear of the notebook.

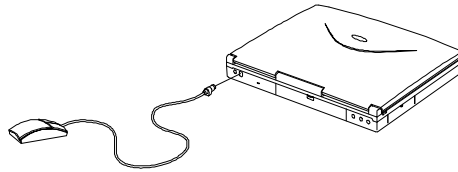
To connect an external keyboard, plug it in the PS/2 port ().




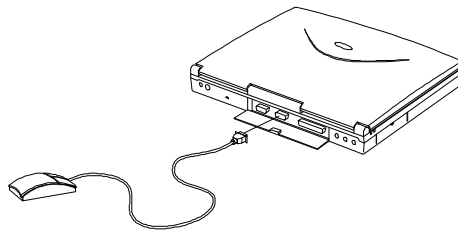
4.3 External Pointing Device

This notebook accepts either a PS/2-compatible or serial mouse or similar pointing device.



The built-in touchpad works alternately with an external PS/2 mouse which is hot-pluggable. To use a PS/2-compatible mouse, simply plug it into the PS/2 port ( ).



If you use a serial mouse, open the port cover and plug it into the serial port (). To enable the serial mouse, use the Add New Hardware tool in the Windows 95 Control Panel.

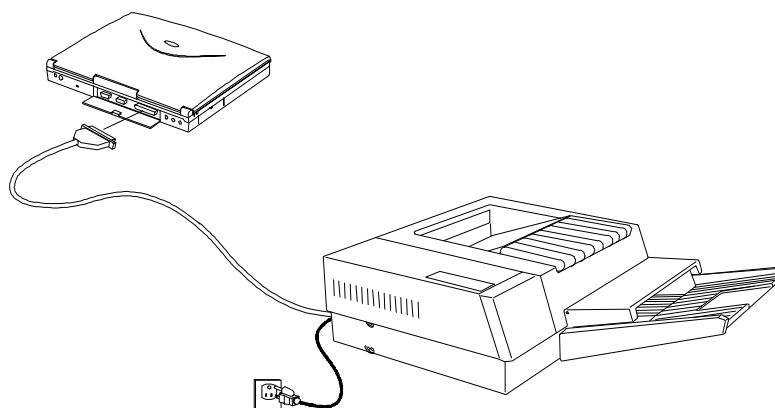


4.4 Printer

This notebook supports both serial and parallel printers. For a serial printer, plug the printer cable into a serial port (). For a parallel printer, open the port cover and plug the printer cable into the parallel port (). See your printer manual for operating instructions.

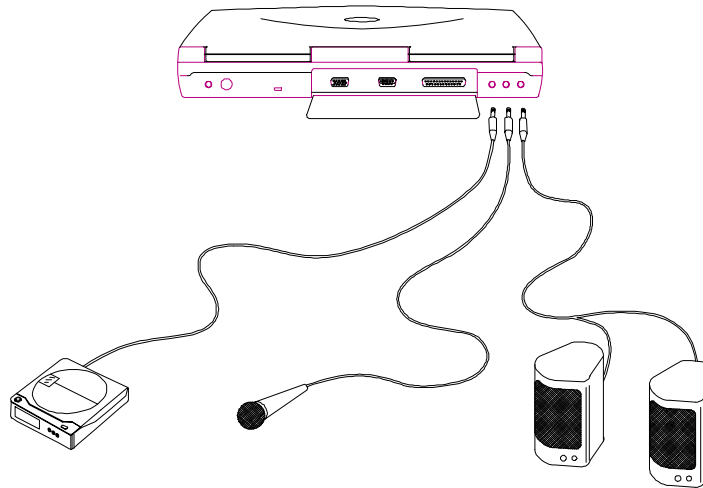


If the printer does not function, enter Setup and see to it that the parallel port is enabled. Refer to section 6.1.3 for assistance.



4.5 Audio Devices

To connect audio devices, plug in an external microphone, a line-in device and amplified speakers or headphones to the microphone-in, line-in and line-out ports, respectively.



4.6 PC Cards

The notebook has two PC card slots that accommodate two type II or one type III PC card(s). Please consult your dealer for PC card options available that you can purchase for your notebook.

4.7 Miscellaneous Options

You can order spare batteries, AC adapter, 144 Pin 8-/16-/32-MB 64-bit DIMM Modules, external numeric keypad and file transfer cables..

4.7.1 Additional Power Packs

Battery Pack

It is good practice to have a spare battery around, especially when you travel. The NiMH battery, coupled with power management features, supply you with more power on-the-go.

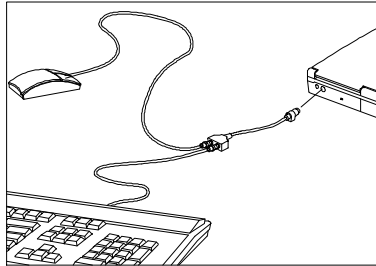
AC Adapter

The compact AC adapter charges your battery pack and supplies power to your notebook.

4.7.2 Cables

PS/2 Y-Bridge Cable

The PS/2 Y-bridge cable allows you to connect two PS/2 devices, mouse and keyboard, to your notebook simultaneously.

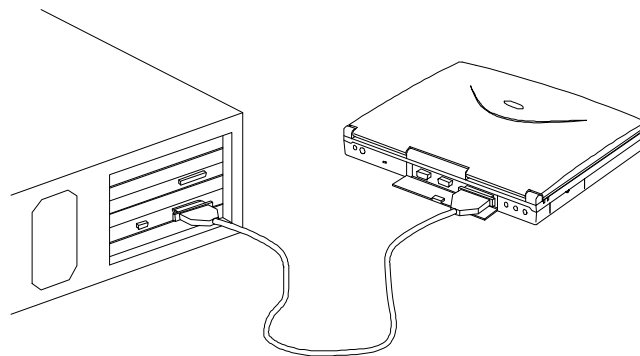


Connect the single connector end of the Y-bridge cable to the notebook's PS/2 port and the double connector ends to the two PS/2 devices.

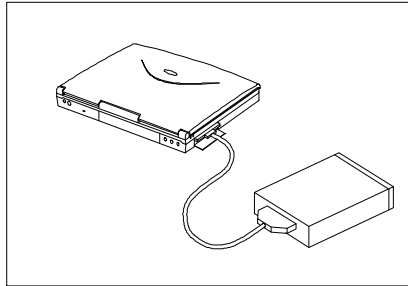
Take note of the icons on the double connector before connecting the devices.

File Transfer Cable

You can use a file transfer cable to transfer data between the notebook and other computers. Connect the file transfer cable between the two computers and use your file transfer utility to perform the transfer.



4.7.3 Optional External CD-ROM Drive



The external CD-ROM drive needs a PC Card to work. To use the optional external CD-ROM drive, simply connect the PC Card to the PC Card slot and the other end to the connector on the external CD-ROM drive. Please refer to your external CD-ROM manual for more information.

4.8 Key Component Upgrades

The notebook delivers superior power and performance. However, some users and the applications they use may demand more. This notebook allows you to upgrade your key components when you need increased performance.



Contact your authorized dealer if you decide to perform a key component upgrade.

4.8.1 Memory Upgrade

The system has 8MB or 16MB Memory onboard and one memory slot that let you install up to 48MB of memory using 8/16/32 MB 64-bit DIMMs (Dual Inline Memory Modules). The following table lists all possible memory configurations.

Memory Configurations

Onboard	Slot 1	Total Memory
8 MB	0 MB	8 MB
8 MB	8 MB	16 MB
8 MB	16 MB	24 MB
8 MB	32 MB	40 MB
16MB	0 MB	16 MB
16MB	8 MB	24 MB
16MB	16 MB	32 MB
16MB	32 MB	48 MB

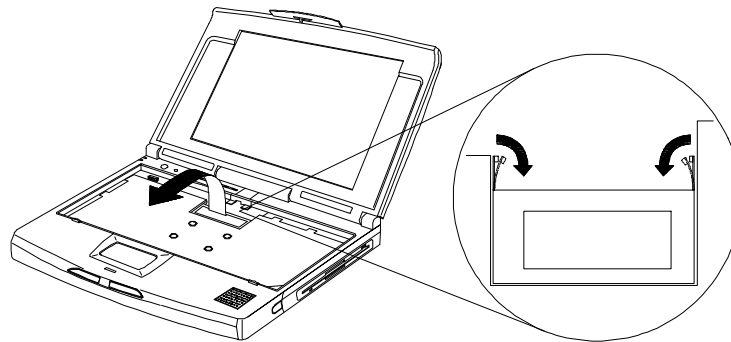
Installing Memory



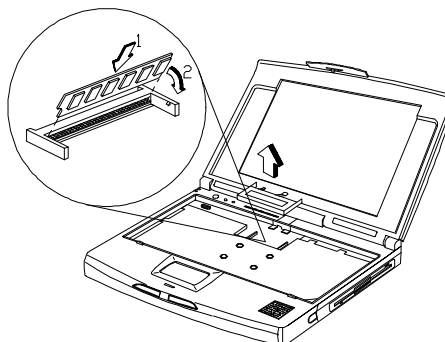
When installing memory, we recommend you seek the help of a qualified service technician. Improper installation may damage the memory module or the notebook, or cause a malfunction.

The memory slots are accessible directly under the keyboard. To install additional memory, follow these steps:

1. Simply unlatch and lift the keyboard to expose the metal plate covering the memory slot.
2. Remove the metal plate. Squeeze the clips on both side of the metal plate as shown below. Gently pull up until the plate detach.



3. Then (1) insert the DIMM into the slot and (2) press down to secure the DIMM.



4. Re-attached the metal plate on the memory slot.

After installing the memory modules, the system automatically detects and reconfigures the total memory size during the POST routines.

4.8.2 Hard Disk Upgrade

You can upgrade your hard disk with a higher capacity drive when you need more storage space. The notebook uses a 12.7mm, 2.5-inch Enhanced-IDE hard disk that is auto-detected or user-defined. The following table shows the available, supported hard disks.

Vendor	Model	Capacity
IBM	DMCA21440	1.44 GB
Hitachi	DK225A-14	1.44 GB
Hitachi	DK225A-21	2.1 GB

Use the blank spaces to record additional hard disks that will be available in the future.

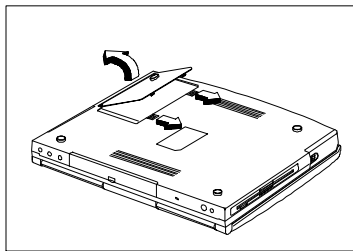
Upgrading the Hard Disk

This notebook has a modular design that enables easy hard disk drive upgrades.

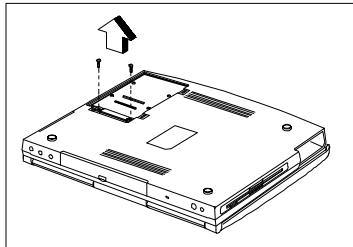


We recommend that you seek the help of a qualified service technician if you decide to perform an upgrade. Improper installation may cause a malfunction or serious damage. Contact your dealer for more information.

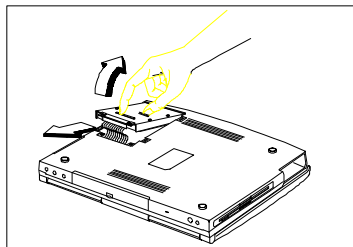
Follow these steps to remove and install the hard disk.



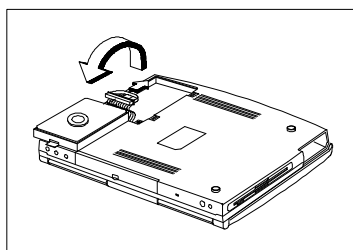
1. Turn off the computer, then turn the computer over on its base.
2. Unlock the hard disk drive compartment lock and remove the cover.



3. Remove the two screws that secure the hard disk drive unit to the housing.



4. Lift up the hard disk drive and pull it out.



5. Flip the hard disk drive unit and very carefully disconnect the hard drive cable. The metal housing and the hard drive can be separated in order to install a new hard drive.

Reverse the process to install a hard disk drive. The notebook automatically detects the hard disk drive type during power-on self test.