1.44 MB Diskette Drive	
Unformatted Capacity	2,0 MB
Formatted Capacity	1.44 MB
Number of Tracks	80 per side
Number of Heads	2
Average Access Time	95 ms
Track-to-Track Access Time	3 ms
Motor Starting Time	500 ms (700 ms. max.)
Rotation Speed	300 rpm
Media	3.5 inch high-density or standard-density

NOTE: The 1.44MB diskette drive can read, write, and
format standard (720KB) diskettes as well as high-capacity
(1.44MB) diskettes. This formatting requires a different
set of command parameters. See your operating system
documentation.

INSTALLING ADDITIONAL DRIVES

Your system supports up to three drives. To expand your storage capacity,
you can install 5.25-inch or 3.5-inch of the following types:

* High-capacity or standard capacity diskette drives.

Additional Storage Devices - The computer supports:

DRIVE	CAT.NO.
5.25" 360K Floppy	25-1063
5.25" 1.2MB Floppy	25-4050
3.5" 720k Floppy	25-1075
3.5" 1.44MB Floppy	25-4053

INSTALLATION OVERVIEW

When installing internal options, be sure to:

* Remove and replace the computer cover as directed.
* Check the configuration of the serial or parallel adapter if you are
   connecting a serial or parallel device.
* Run the Setup utility to complete the installation of drives, memory,
   serial/parallel adapters, or video expansion adapters.

When installing expansion adapters, be sure that:

* The metal slot cover on the expansion adapter is seated correctly in
   the back panel slot.
* The fastening screw is securely tightened.
* The front end of the expansion adapter fits into the corresponding

plastic expansion adapter guide (long expansion adapters only).
* The expansion adapter is securely mounted in the expansion adapter
   slot.

OPENING THE COMPUTER

Warning: Before you open the compute, be sure that it is located in a
safe working area, its power is off, and its electrical cables are
disconnected.

To open the system unit, follow these steps:

1. Remove the two cover mounting screw from the outer cover of the
    computer. These screws are located at the sides of the cover, near
    the back of the unit.

2. Slide the cover toward the front of the computer until it clears the
    alignment pins.

3. Lift the cover off the computer.

4. Unlock the keylock on the center bar, if necessary.

5. Using a coin or a screwdriver, turn the fasteners on the expansion
    adapter cover. The fasteners pop up sightly after one-quarter turn.

6. Remove the expansion adapter cover by pulling it from the retaining
    slots at the bottom of the frame.

7. Carefully rotate the carriage away from the frame. The carriage
    should rest at a 90-degree angle in the slots on the frame.

CLOSING THE COMPUTER

Follow these steps to close the computer:

1. Close the carriage. Be sure the tabs rest securely against the center
    bar. Check that any connections between the carriage and the main
    logic board are intact.

CAUTION: Loose cables and cable connection can damage components on the
main logic board. Be sure to arrange all cables so that there is no
damage to the cables or the main logic board components.

2. Slide the tabs at the bottom of the expansion adapter cover into the
    retaining slots on the frame.

3. Replace the expansion adapter cover. Be sure it rests securely over
    the tabs on the carriage.

4. Press and turn the two fasteners one quarter turn to secure the
    expansion adapter cover.

5. Lock the keylock to protect the system components from unauthorized
    removal.

6. Carefully position the outer cover on the base.

7. Slide the cover along the base toward the back of the computer until
    it fits into place.

8. Screw the two cover mounting screws into the outer cover of the
    computer.

Use only one-inch high, 3.5 inch devices in the two upper drive bays. The
lower drive bay is universal and can hold any half-height, 5.25 inch or
any size 3.5 inch device.

After installing a new drive, run the Setup utility to update the system
configuration as recorded in the CMOS RAM.

Notes: Before installing a diskette drive in the 5.25 inch drive bay,
remove the plastic insulator sheet from the bay. A 5.25 inch diskette
drive will not operate properly if installed on the insulator sheet.

INSTALLING A 3.5 INCH DRIVE

Note: If you are installing a 3.5 inch drive in a 5.25 inch drive, bay,
use a 5.25 inch mounting adapter.

1. Adjust the selector switches and terminating resistors on the drives
    as necessary. See the drive installation guide for more information.

2. Open the computer to gain access to the 3.5 inch drive bay in the
    carriage. Refer to "Opening the Computer". Remove the plastic insert
    from the front of the computer cover.

3. Select the appropriate mounting holes for your drive. See the drive
    installation guide for more information. Use the front set of holes
    to mount a diskette drive.

4. Slide the drive into the 3.5 inch drive bay. With the drive resting
    on the center rail, align the appropriate mounting holes on the drive
    with the two mounting holes on the side of the carriage. The drive's
    third screw hold must align with the hole on the center rail.

5. Secure the drive, using the screws included in your drive kit.

6. Connect the drive power and data cables. See the drive installation
    for more information. Connect the drive cable to the drive and to the
    main logic board using the correct pin 1 orientation for the
    connectors. Pin 1 of the cable connector is indicated by a colored
    stripe. Refer to the "Main Logic Board Layout" to locate pin 1 of the
    SmartDrive connector.

    Align pin 1 of the cable connector with pin 1 of the main logic board
    connector, and then press firmly. Be sure to follow the instructions
    in your drive installation guide.

INSTALLING A 5.25 INCH DRIVE

1. Adjust the selector switches and terminating resistors on the drives
    as necessary. See the drive installation guide for more information.

2. Open the computer to gain access to the 3.5 inch drive bay in the
    carriage. Refer to "Opening the Computer". Remove the plastic insert
    from the front of the computer cover.

3. Select the appropriate mounting holes for your drive. See the drive
    installation guide for more information. Use the rear set of holes to
    mount a hard drive.

4. slide the drive into the 5.25 inch drive bay. align the appropriate
    mounting holes on the drive with the three mounting holes on the drive
    with the three mounting holes on the bottom of the carriage.

5. Secure the drive, using the screws included in your drive kit.

6. Connect the drive power and data cables. See the drive installation
    for more information. Connect the drive cable to the drive and to the
    main logic board using the correct pin 1 orientation for the
    connectors. Pin 1 of the cable connector is indicated by a colored
    stripe. Refer to the "Main Logic Board Layout" to locate pin 1 of the
    SmartDrive connector.

    Align pin 1 of the cable connector with pin 1 of the main logic board
    connector, and then press firmly. Be sure to follow the instructions
    in your drive installation guide.