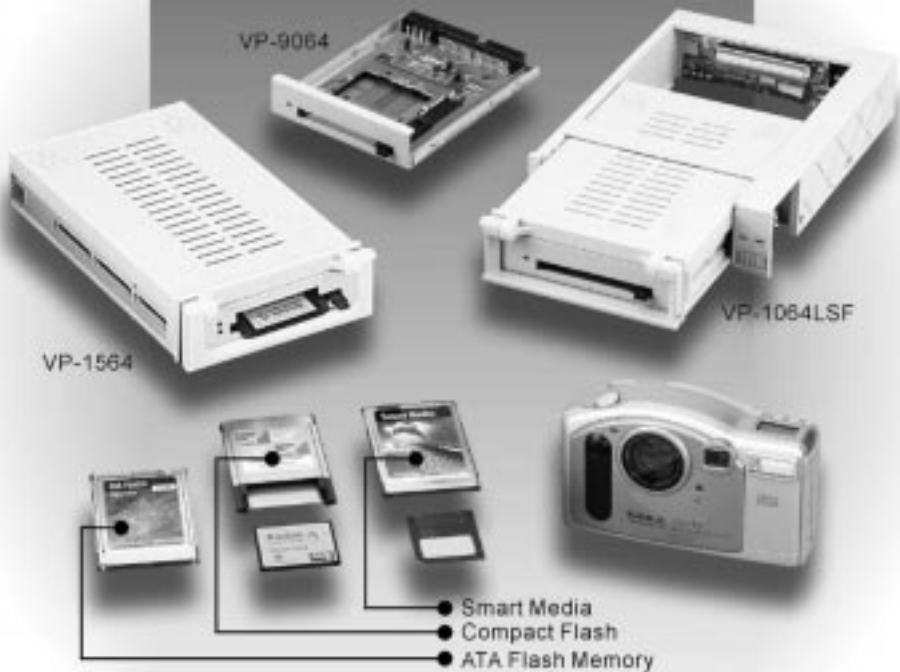


ATA Flash Memory Reader

VP-1564 , VP-9064, VP-1064LSF



Installation Manual



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1-1 Introduction

Congratulations on your purchase of our ATA Flash Memory Reader. The ATA Flash Memory Reader is the perfect solution for convenient data transfer from ATA flash memory cards to desktop computers. In addition, it will read/write SmartMedia™ and CompactFlash™ memory cards with a standard adapter that can be purchased from your local computer dealer.

The ATA Flash Memory Reader is available in three model configurations:

- VP-9064:** Mounts directly into your computer's 3.5-inch drive bay slot
- VP-1564:** VP-9064 mounted in VP-15 drive case for use with the Mobile Rack as a removable docking module
- VP-1064LSF:** VP-9064 plus VP-10LSF Mobile Rack (Refer to the Mobile Rack Installation Manual for installation instructions.)

This manual will guide you through the installation of the ATA Flash Memory Reader into your desktop PC's 3.5-inch drive bay; and installation in the drive case for use with the Mobile Rack as a docking module.

ATA Flash Memory Reader Features

- ATA flash memory reader/writer for tower/desktop PCs for home or office
- Provides file-sharing flexibility between PC computers and digital cameras
- Support ATA flash memory cards of all memory capacities
- Supports CompactFlash™ and SmartMedia™ memory cards with standard adapter
- Model VP-9064 ATA Flash Memory Reader mounts directly into computer's 3.5-inch drive bay
- Model VP-1564 is compatible with the Mobile Rack docking case for portable transfer of data as a removable docking module
- Model VP-1064LSF is a complete Mobile Rack model for portable transfer of data as a removable docking module
- IDE interface
- Works like a hard disk drive
- Power LED indicator
- Push-button ejection
- Fully compatible with MS-DOS, Windows® 3.11/95/98/NT, OS/2 Warp

System Requirements

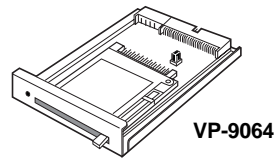
- IBM PC/AT or Pentium®-class computer
- Embedded IDE interface or IDE card
- For model VP-9064: one available 3.5-inch drive bay with front panel access
- For model VP-1564: one 5.25-inch drive bay with Mobile Rack docking case (VP-12LSF) installed
- For model VP-1064LSF: one available 5.25-inch drive bay with front panel access

Unpacking

Before installing the ATA Flash Memory Reader, verify that the following items are included in the carton. The following lists the parts shipped with each product. If any parts are damaged or missing, please contact your local dealer or sales representative immediately.

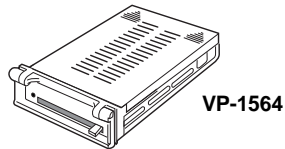
Model VP-9064

1. One ATA Flash Memory Reader (VP-9064)
2. Four mounting screws
3. One ATA Flash Memory Reader Installation Manual



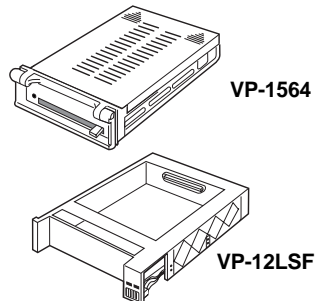
Model VP-1564

1. One ATA Flash Memory Reader (VP-9064) in drive case (VP-15)
2. One ATA Flash Memory Reader Installation Manual
3. One Mobile Rack Installation Manual



Model VP-1064LSF

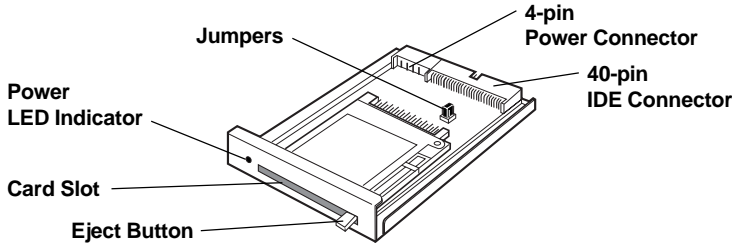
1. One ATA Flash Memory Reader in drive case (VP-1564)
2. One Mobile Rack docking case (VP-12LSF)
3. Four mounting screws
4. One ATA Flash Memory Reader Installation Manual
5. One Mobile Rack Installation Manual



2-1 Hardware Installation

Installing the Reader (VP-9064) into Computer

The ATA Flash Memory Reader (VP-9064) is designed to install in any PC/AT or Pentium-class computer that has an available 3.5-inch drive bay with front panel access. General instructions for installing the Reader are given since the design of computer cases varies. Refer to your computer's manual whenever in doubt.



ATA Flash Memory Reader (VP-9064)

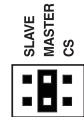
1. Configure the jumper setting on the ATA Flash Memory Reader as needed for your system.

The Reader is factory set as a MASTER (Drive 0). If there is another drive in your system set as a Master (Drive 0) on the primary IDE controller, the Reader can be connected as a Master on the secondary channel of a dual IDE controller system. Otherwise, please refer to the following if you need to set the Reader as a Slave (Drive 1), or to Cable Select if your computer is a Cable Select system.

Locate the SLAVE, MASTER, CS jumper block on the Reader.

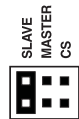
a. **MASTER (Drive 0)**

The Reader should be set as a Master (Drive 0) if it will be the only drive connected on the IDE interface cable; or if there are to be two drives connected to the cable, the other drive must be configured as a Slave (Drive 1).



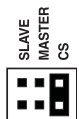
b. **SLAVE (Drive 1) (If Flash Memory provides SLAVE mode)**

Configure the Reader as a Slave (Drive 1) if another drive is connected to the IDE interface cable as a Master (Drive 0).



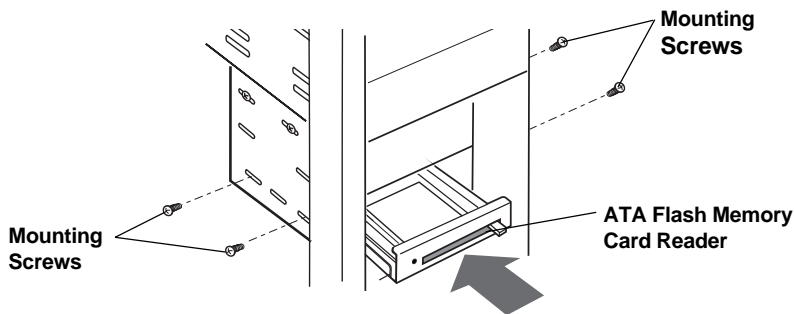
c. **CABLE SELECT (If Flash Memory provides CS mode)**

Use this setting whenever a Reader is installed in a computer that features "CABLE SELECT." Note that this setting should be used whether the Reader will be the only drive connected to the Cable Select IDE cable, or one of two drives connected to the cable. On Cable Select systems, the drive closest to the IDE controller is automatically the Master drive.



NOTE: If you are not sure if your system supports Cable Select, check the IDE interface cable. On a Cable Select system, there is an open connection on one of the wires between the first and second drive connectors. If you see no breaks or holes in the interface cable, it is probably not a Cable Select system.

2. Turn OFF the power to your computer and any other connected peripheral devices. Follow the precautions for static electricity discharge:
 - Discharge any static electricity build up in your body by touching a grounded metal surface such as the computer case, if plugged in.
 - During installation procedures, avoid any contact with internal parts.
3. Unplug the power cord from the back of the computer.
4. Remove your computer's cover.
5. Remove the computer's front face plate from the 3.5-inch drive bay you plan to install your Reader into.
6. Slide the Reader into the 3.5-inch drive bay.
7. Position the Reader so its mounting holes align with the drive bay's mounting holes. Secure with the supplied mounting screws (two on each side.)

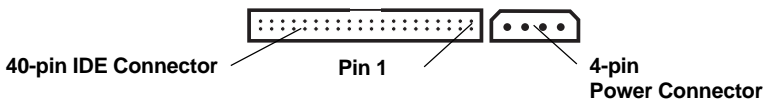


Install the ATA Flash Memory Reader into the Drive Bay

8. Attach a 40-pin interface cable from the computer's embedded IDE interface or IDE controller card to the 40-pin connector on the back of the Reader.

Make sure Pin 1 on the cable connects to pin 1 on the Reader. Most connectors are keyed for proper insertion. If there is no key, orient the cable so the pin-1 colored stripe edge is closest to the power connector.

9. Connect an available 4-pin power cable from the system's power supply to the 4-pin connector on the back of the Reader. The power connector is 'D' shaped to ensure proper orientation when making the connection.



ATA Flash Memory Reader Data Cable and Power Connectors

10. Replace the computer's cover and reconnect power and external cabling.

3-1 Using the ATA Flash Memory Reader

This section explains how to use ATA flash memory cards with the Reader. It also supports CompactFlash and SmartMedia memory cards with a standard adapter that can be purchased from your local dealer.

NOTE: Use only ATA Flash Memory Cards.
Will not work with modem or Ethernet Cards.

ATA Flash Memory Reader (VP-9064)

Inserting a memory card:

1. Make sure your computer is OFF.
2. It is very important that a memory card be oriented properly when inserted. With the memory card faced up, insert the pin-connector end of the memory card into the card slot. Use just enough pressure to guarantee it is well seated.
3. Turn your compute ON. The system BIOS will auto-detect the memory card just like a hard drive. The memory card can be read or written to like any other drive.

Removing a memory card:

IMPORTANT:
Turn computer OFF. Then remove card.

1. Before removing the memory card, make sure that the Power LED is OFF or not blinking.
2. Turn your computer OFF.
3. Press the eject button to remove the card.

ATA Flash Memory Reader Drive Case (VP-1564)

The Mobile Rack model ATA Flash Memory Reader does not support hot-swapping. Your computer must be POWERED OFF when the removable Reader drive case is installed or removed from a computer-mounted Mobile Rack docking case .

Inserting the Reader drive case:

1. Make sure the computer is OFF.
2. Insert the Reader drive case into the Mobile Rack docking case and push firmly until the drive is seated. (Note: a memory card can be already installed in the drive case before inserting.)
3. For latch-lock model VP-12LSF, slide the latch-lock *left*, to **lock**.
4. Turn your computer ON. The LED on the Mobile Rack should light after a slight delay. The installed ATA Flash Memory Reader is ready to use. Refer to the previous section on how to use the memory cards.

Removing the Reader drive case:

1. Turn your computer OFF.
2. For latch-lock model VP-12LSF, slide the latch-lock *right*, to **unlock**.
3. Gently pull on the Mobile Rack handle to slide the drive case out.

