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OmniPort™ User's manual



Please refer to the Limitation of Liability and Warranty information at the end of this manual.

Introduction

The Logicube OmniPort™ is an adapter that enables External USB Flash drives to interface with a Logicube HDD Duplication device. USB Flash drives are small, portable drives that rely on Flash storage to hold data. These drives are sold with names like “Thumb Drive”, “Pen Drive”, etc. The OmniPort™ can also clone Flash Media through a card reader (i.e. CF, SD, MMC, etc.).

NOTE: The OmniPort™ is also capable of cloning external USB hard drives (i.e. 2.5” or 3.5” drives) as long as the drive is 137GB or less.

The Logicube OmniPort™ comes in two flavors, Write-Protected and non Write-Protected. The non Write-Protected unit allows reads and writes to be performed on the attached Flash drive while the Write-Protected unit allows reads only.

The Logicube OmniPort™ is also capable of attaching directly to a PC's motherboard via a SATA cable. The attached Flash drive will be detected by Windows and appear as a Secondary drive. The Write-Protected OmniPort™ has the additional ability of connecting to DOS. This is necessary for certain forensic analysis tools like Encase™ by Guidance Software.

Installation on Logicube Duplication device

The OmniPort™ is compatible with the following Logicube products: Echo Plus™, Sonix™, Omniclone-Xi™ series, MD5™, Talon™. Please contact us if you are not sure about the compatibility of your Logicube duplicator.

The OmniPort™ has a Serial-ATA (SATA) connector, so it attaches to your Logicube HDD Duplication device like a SATA drive. For units that have integral SATA connectors (e.g. Logicube Sonix™, Talon™, Echo Plus™, Omniclone-Xi™, etc.), attach the OmniPort™ to the end of the SATA cables that came with the unit. Older units without integral SATA connectors (e.g. Logicube MD5™) require a Logicube Serial-ATA Adapter to attach the OmniPort™.

NOTE: Please refer to the User Manual for your Logicube HDD Duplication device for more detailed instructions on connecting SATA drives.

Once the OmniPort™ is attached to the duplicator, it behaves like a Master or Target drive. It can be cloned to or from just like a normal SATA hard drive.

How to Clone External USB Drives with the OmniPort™

The OmniPort™ is able to clone drives at non-UDMA speeds. In most cases, the Logicube Duplication device will automatically drop its speed to PIO-AUTO, however in rare cases the user may need to manually change the speed setting to PIO-AUTO.

NOTE: Please refer to the User Manual for your Logicube HDD Duplication device for more detailed instructions on changing speed settings and cloning hard drives.

Connecting the OmniPort™ Directly to a PC

The OmniPort™ is also able to connect directly to a PC. To do so, the PC must have SATA drive connectors installed. These connectors can be part of the motherboard, an expansion card or even a SATA to Parallel Adapter (Logicube Serial-ATA adapters can be used in this role).

To connect the OmniPort™ to a PC running Windows98 or later, please follow this procedure:

1. Power down the PC and shut it off.
2. Remove the PC's outer casing, exposing the motherboard and components.
3. Attach the OmniPort™ to available SATA cables or adapter. Make sure that the cables/adapter is connected to the Secondary Master position (unless you want to boot from the Flash drive that is connected to the OmniPort™).

NOTE: Please refer to your PC's documentation for instructions on attaching SATA drives.

4. Boot the PC to Windows. The drive that is connected to the OmniPort™ will be visible as a secondary drive.

NOTE: If the Operating System is WIN98 or WINME, it may be necessary to load Win98 USB drivers. These drivers are available for download from www.logicube.com. Please refer to the section “*Loading Windows98 USB Drivers*” below.

To connect the Write-Protected OmniPort™ to a PC running DOS, please follow this procedure:

1. Follow steps 1 – 3 in the previous section above.
2. Boot the PC to DOS. The drive connected to the OmniPort™ will appear in any forensic-based utilities that you are using.

Procedure for loading Windows98 Drivers:

1. Download the Windows98 USB Drivers (for large drive support) from www.logicube.com. Save them to a location on your hard drive.
2. Boot the PC. You may be prompted to install drivers. Go through the “Add New Hardware” wizard that pops up.
3. At the “have disk...” prompt please point the PC to the location of the downloaded WIN98 drivers. The installation should complete smoothly.