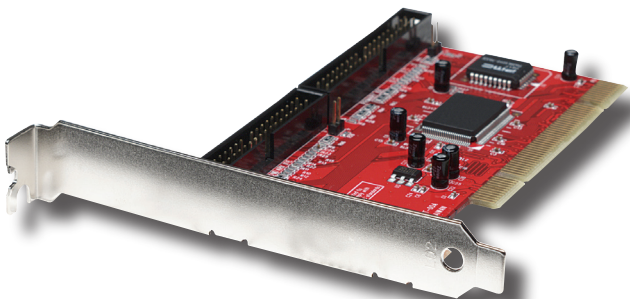


ULTRA ATA/133 CONTROLLER PCI CARD USER MANUAL

MODEL 158039




MANHATTAN

MAN-158039-UM-0508-02

Thank you for purchasing this MANHATTAN® Ultra ATA/133 Controller PCI Card, Model 158039.

Compatible with IDE and ATAPI drives — including CD, DVD and HDD — its two channels supports up to four devices with full-speed burst transfers, and it supports data transfer rates of up to 133 MBps and drives above 137 GB.

Using 48-bit LBA (logical block addressing), this card breaks the size limit of 137 GB hard drives to support larger storage devices, and compliance with PCI Specification, revision 2.2 ensures that most desktop computers and connected IDE/ATAPI devices can operate at peak performance.

The easy-to-follow instructions in this manual help make installation of the card quick and simple, so you'll also soon be enjoying the benefits of these additional features:

- Regular and low-profile slots
- Plug and Play installation — Windows compatible
- Lifetime Warranty

System Requirements

- Windows 2000/XP/Vista (Server 2003 users can follow the procedures for Windows 2000/XP throughout this manual)
- Available PCI card slot
- CD-ROM drive

Package Contents

- Ultra ATA/133 Controller PCI Card
- Regular and low-profile brackets
- User manual and driver CD

HARDWARE INSTALLATION

1. Turn off your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCI slot.
4. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly.
5. Replace the slot bracket's holding screw to secure the card.
6. Replace the cover, reconnect the power cord and turn the power on.

SOFTWARE INSTALLATION

With Initial Installation of Windows 2000/XP

Follow this procedure for a new installation of Windows 2000/XP (or 2003 Server) if you boot from a device attached to the Ultra ATA/133 Controller PCI Card. **IMPORTANT:** With Windows 2000, first edit the txtsetup.oem file on the driver installation disk by deleting the line from the [Config.PnP680] section that reads:

`value = Parameters\PnpInterface, "5", REG_DWORD, 1.`

1. Insert your Windows installation CD into the CD/DVD-ROM drive (or use the Windows 2000 boot diskette #1 and a floppy drive if your system can't boot from the CD).
2. Press "F6" for third-party SCSI or driver installation at the beginning of text mode installation. Press "s" when the prompt on the Setup screen asks if you want to specify an additional device; then insert the driver CD and press "Enter." On the subsequent menu that displays, select the controller installation process that corresponds to the version of Windows being installed; then press "Enter."
3. When prompted to continue with text mode setup, press "Enter" again.
4. Follow the on-screen setup instructions to select the partition and file system.
5. After Setup examines your disks, it will copy files from the CD to the hard drive selected above and restart the system. After restarting, the setup process will resume and finish the installation.
6. Once the operating system installation has completed, you can follow

the instructions in Verifying Controller Installation to confirm that the controller has been installed correctly.

With Initial Installation of Windows Vista

1. Insert your Windows Vista DVD into the DVD-ROM drive and insert the Ultra ATA/133 Controller PCI Card driver CD in the CD_ROM drive.
2. When Vista starts from the DVD, change the displayed language and keyboard preferences as needed and click “Next”; on the subsequent screen, click “Install now.”
3. Enter your product key and click “Next.”
4. Select the option “I accept the license terms” and click “Next.”
5. Select the option “Custom (advanced).”
6. Click the icon labeled “Load Driver”; in the subsequent “Load Driver” pop-up window, click “OK.”
7. When the “Select the driver to be installed” screen displays, select “ITE ATA/133 Controller” and click “Next.” Windows will now load the driver.
8. The newly installed drive should now be displayed. Click “Drive options (advanced).”
9. Highlight the unallocated space of the installed drive and click “New.” In the Size box that displays, specify the size of the partition to be created to contain the Vista OS installation; then click “Apply.”
10. Select the newly created partition and click “Next.”
11. Follow the on-screen prompts to complete the installation of Vista. Once the operating system installation is complete, you can follow the instructions in Verifying Controller Installation to confirm that the controller has been installed correctly.

With an Existing Installation of Windows 2000/XP

1. As Windows boots, a “Found New Hardware Wizard” message displays. Click “Next.”
2. Select “Search for a suitable driver for my device (Recommended)” and click “Next.”
3. Insert the driver CD and click “Next.”
4. When the wizard says it’s found a driver for the device, click “Next.”
5. If the message “Digital Signature Not Found” displays, click “Yes” to

continue installing the driver.

6. The wizard will now copy the required files to the system and start the driver. After starting the driver, the wizard will display a completion message. Click “Finish” to exit the wizard.
7. Follow the instructions in Verifying Controller Installation to confirm that the controller has been installed correctly.

With an Existing Installation of Windows Vista

1. As Windows boots, a “Found New Hardware Wizard” message displays. Select “Locate and install driver software (recommended).” If the prompt “User Account Control” displays, click “Continue.”
2. On the subsequent screen, select “Don’t search online.”
3. Insert the driver CD and click “Next.”
4. Windows will now begin to install the driver software. If the message “Windows can’t verify the publisher of this driver software” displays, click “Install this driver software anyway.”
5. Once the installation is complete, you can follow the instructions in Verifying Controller Installation to confirm that the controller has been installed correctly.

Updating the Driver on Windows 2000

1. Right-click on My Computer and go to Properties. In System Properties, go to Hardware, then Device Manager. Select “SCSI and RAID Controllers”; then right-click “ITE ATA/133 Controller” and go to Properties (on the context menu).
2. Go to Driver and click “Update Driver.” Select “Display a list of the known drivers for this device so that I can choose a specific driver.” Insert the driver CD, then click “Next.”
3. Click “Have Disk.” When the “Install from Disk” prompt displays, ensure that the correct drive is specified and click “OK.”
4. Click “Next” until the installation process begins. If a warning about an unsigned driver displays, click “Yes” to continue.
5. When installation is complete, a reboot prompt may display. Click “Yes.”
6. Follow the instructions in Verifying Controller Installation to confirm that the procedure was successful.

Updating the Driver on Windows XP

1. Right-click on My Computer and go to Properties. In System Properties, go to Hardware, then Device Manager. Select “SCSI and RAID Controllers”; then right-click “ITE ATA/133 Controller” and go to Properties (on the context menu).
2. Go to Driver and click “Update Driver.”
3. Select “Install from a list or specific location (Advanced)”; click “Next.”
4. Select both “Search for the best driver in these locations” and “Search removable media (floppy, CD-ROM...)”; click “Next.”
5. As the installation proceeds, a warning about a “non-logo” (uncertified) driver may display; click “Continue Anyway.”
6. When installation is complete, a reboot prompt may display. Click “Yes.”
7. Follow the instructions in Verifying Controller Installation to confirm that the procedure was successful.

Updating the Driver on Windows Vista

1. Click the Start icon, then right-click on Computer and go to Manage (on the context menu). If a “User Account Control” prompt displays, click “Continue.”
2. Go to Device Manager in the left-hand panel, then double-click on Storage Controllers in the right-hand panel.
3. In Storage Controllers, right-click “ITE ATA/133 Controller” and go to Properties (on the context menu).
4. Go to Driver and click “Update Driver...”
5. Select “Browse my computer for driver software.”
6. Select “Let me pick from a list of device drivers on my computer.”
7. Click “Have Disk...”
8. With “Install From Disk” displayed, either click “Browse” or specify the path to where the updated driver package resides on the system (for example, E:\); then click “OK.”
9. Click “Next.” Windows will begin installing the updated driver software. If a message displays that Windows can’t verify the publisher of the driver software, select “Install this driver software anyway.”
10. When installation is complete, a reboot prompt may display. Click “Yes.”
11. Follow the instructions in Verifying Controller Installation to confirm that the procedure was successful.

Verifying Controller Installation for Windows 2000/XP

1. Right-click on My Computer and go to Properties, then Hardware, then Device Manager.
2. Double-click “SCSI and RAID Controllers.” If no yellow exclamation point (!) or question mark (?) appears to the left of “ITE ATA/133 Controller,” then the driver has started properly.
3. To view information about the devices attached to the controller, right-click “ITE ATA/133 Controller” and go to Properties (on the context menu). Then go to Device Info to see the information.

Verifying Controller Installation for Windows Vista

1. Click the Start icon, then right-click on Computer and go to Manage (on the context menu). If a “User Account Control” prompt displays, click “Continue.”
2. Go to Device Manager in the left-hand panel, then double-click on Storage Controllers in the right-hand panel. If no yellow exclamation point (!) or question mark (?) appears to the left of “ITE ATA/133 Controller,” then the driver has started properly.
3. To view information about the devices attached to the controller, right-click “ITE ATA/133 Controller” and go to Properties (on the context menu). Then go to Device Info to see the information.

SPECIFICATIONS

Standards and Certifications

- PCI Specification, revision 2.2
- ATA 133 Standard

General

- 32-bit, 33 MHz fully compliant PCI host
- Support of ATAPI devices
- 48-bit LBA supports HDD larger than 137 GB
- Supports two independent ATA-133 channels
- ITE chipset



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