

Ultra ATA/133 PCI Pro

Quick Installation Guide

1-1 Introduction

This ultra high-speed dual channel Ultra ATA/133 PCI Host Adapter is designed to achieve burst data transfer rates up to 133MB/sec and supports drive capacities greater than 137 GB. It's enhanced BIOS auto-detect device types and fine tunes to the best performance for each connected hard drive.

1-2 Key Features and Benefits

- Compliant with UltraDMA6 ATA/133 specification
- Compliant with PCI v2.2 Plug-n-play
- Provides two independent Ultra ATA channels (built-in 512-byte FIFOs per channel) for faster data transfer
- Supports Ultra DMA 0-6, DMA modes 0-2 and PIO modes 0-4
- Breaks the 137GB barrier! Supports hard drives larger than 137GB
- Co-exists with on-board IDE controller and allows you connect up to 4 IDE devices
- Fully ACPI power management support
- Works with various brands of Ultra ATA 133/100/66/33 hard disk drives and ATAPI devices including CD-ROM, CD-R/RW, DVD-ROM, and zip drives

1-3 System Requirements

- Pentium-class computer with one available PCI slot
- Windows 98SE/ME/NT 4.0/2000/XP/Server 2003 and Linux

2-1 Static Electricity Precaution

One of the routine precautions you must be aware of when working with computer components is the problem of static electricity discharge.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during the installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer case (if plugged in), for a few seconds.
- During the installation, avoid any contact with internal parts

2-2 Hardware Installation

1. Turn OFF the power of your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove your computer's cover.
4. Remove the slot bracket from an available PCI slot.
5. To install the card, carefully align the card's bus connector with the selected PCI slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Connect JP1/JP2 to the LED indicator of the front panel. JP1 is for primary channel and JP2 is for secondary channel. Please be careful about the polarity of the LED cable.
7. Close the cover of your computer and plug the power back to your computer.

2-3 Driver Installation

2-3.1 Windows 98SE Driver Installation

For New Windows 98SE system

1. Install the board, then boot up your system.
2. Follow Microsoft procedures to install Windows 98SE accordingly.
3. Once Windows has installed and booted, double click **My Computer/Control Panel/System**. Select **Device Manager** tab.
4. Double click **PCI Mass Storage Controller** listed under **Other Devices**.
5. Select **Driver** tab, then click **Update Driver** button.
6. Insert the driver diskette and click **Next**.
7. Select **Search for a better driver than the one your device is using now[Recommended]**, then click **Next**.
8. Select **Floppy disk drives**, then click **Next, Next**, then **Finish**.
9. Remove the driver diskette and click **Yes**, restart Windows to complete driver installation.

For Existing Windows 98SE system

1. After installing the board and boot up your system. When **Add New Hardware Wizard** displays **PCI Mass Storage Controller**, then click **Next**.
2. Insert the driver CD into your CD-ROM drive.
3. Check **Search for the best driver for your device (Recommended)**, then click **Next**.

4. Choose Specify a location, type **E:\WIN98_ME**, then click **Next**.
(Change “E”: to match your CD-ROM drive alphabet)
5. When **ITE IT8211 ATA/ATAPI Controller** appears, click **Next**, then click **Finish**.
6. Click **Yes** and remove the driver CD while restart your system to complete installation.

2-3.2 Windows ME Driver Installation

For New Windows ME installation

1. Install the board, then boot up your system.
2. Follow Microsoft procedures to install Windows ME accordingly.
3. Once Windows has installed, double click **My Computer/Control Panel/ System**, then Select **Device Manager** tab.
4. Double click **PCI Mass Storage controller** listed under **Other Devices**.
5. Select **Driver** tab and click **Update Driver** button.
6. Insert the driver diskette.
7. Select **Automatic search for a better driver [Recommended]**, click **Next**, then click **Finish**.
8. Remove the driver diskette, then click **Yes** to restart Windows to complete the installation.

For Existing Windows ME installation

1. After installing the board and boot up your system.
2. When **Add New Hardware Wizard** displays **PCI Mass Storage Controller**, check **Automatic search for a better driver (Recommended)**.

3. Insert driver CD into your CD-ROM drive then click **Next**, then click **Finish**.
4. Click **Yes** and remove the driver CD while restart your system to complete installation.

2-3.3 Windows NT4.0 Driver Installation

For New Windows NT4.0 installation

1. Install the board and follow Microsoft Procedures to install Windows NT4.0 accordingly.
2. At the **Windows NT Setup** screen, press **F6** to specify and add the driver.
3. Press **S**, select **Other**, then press **Enter**.
4. Insert the driver diskette and press **Enter**.
5. Select **ITE IT8211 ATA/ATAPI Controller** and press **Enter**.
6. Press **Enter** to continue and follow on-screen instructions to complete Windows NT4.0 installation.

For Existing Windows NT4.0 System

1. Install the board, then boot up Windows NT4.0.
2. Select **My Computer/ Control Panel/ SCSI Adapters**, then click on the **Drivers** tab.
3. Click **Add...** then **Have Disk...**
4. Insert the driver diskette into your floppy drive, type in **A:** , then click **OK**.
5. Select **ITE IT8211 ATA/ATAPI Controller**, click **OK**, then click **OK** again.

6. Click **Yes** and remove the driver disk while restart your system to complete installation

2-3.4 Windows 2000 Driver Installation

For New Windows 2000 installation

1. Install the board, then boot up your system.
2. Execute the Windows 2000 installation program
3. Restart the computer when prompted by Windows installation
4. At the **Windows 2000 Setup** screen promptly press **F6** to install the driver.
5. Press **S** to specify Additional device.
6. Insert the driver diskette and press **Enter**.
7. While **ITE IT8211 ATA/ATAPI Controller** appears in the box, press **Enter**.
8. Press **Enter** to continue and follow the on screen instructions to complete Windows 2000 installation.

For New Windows 2000 installation

1. After installing the board, boots up your system.
2. When **Found New Hardware Wizard** appears, click **Next**.
3. Insert driver CD into your CD-ROM drive.
4. When **Found New Hardware Wizard** displays **Mass Storage Controller**, check **Search for a suitable driver for my device [recommended]**, then click **Next**.
5. Select **CD-ROM drives**, then click **Next, Next**.

6. When **ITE IT8211 ATA/ATAPI Controller**, then click **Yes**, then **Finish**.
7. Click **Yes** and remove the driver CD while restart your system to complete installation.

2-3.5 Windows XP/Server 2003 Driver Installation

For New Windows XP/Server 2003 installation

1. Install the board and follow Microsoft procedures to install Windows XP/Server 2003 accordingly.
2. Restart your system when prompted by Windows installation.
3. At the **Windows Setup** screen, press **F6** to install the driver.
4. Press **S** to specify the location of the driver.
5. Insert the driver diskette, then press **Enter**.
6. Select **ITE IT8211 ATA/ATAPI Controller** and press **Enter**.
7. Press **Enter** to continue and follow on-screen instructions to complete Windows XP installation.

For Existing Windows XP/Server 2003 installation

1. After installing the board, boots up your system.
2. When **Found New Hardware Wizard** displays **Mass Storage Controller**, check **Install the software automatically [Recommended]**.
3. Insert driver CD into your CD-ROM drive, then click **Next**.
4. When **Found New Hardware Wizard** displays **ITE IT8211 ATA/ATAPI Controller**, then click **Next**.
5. When **Hardware Installation** displays **ITE IT8211 ATA/ATAPI Controller** then click **Continue Anyway**, then click **Finish**.

6. Click **Yes** and remove the driver CD while restart your system to complete installation.

