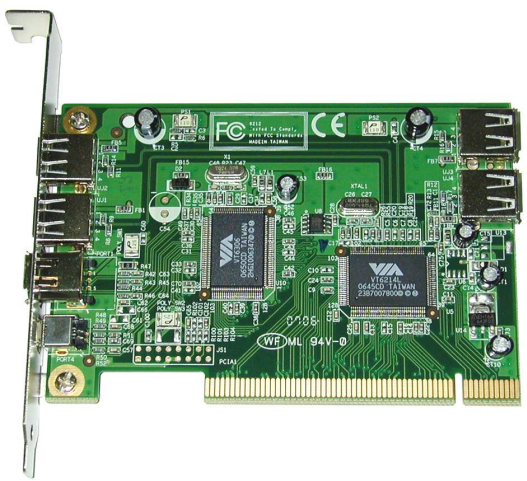
LINDY®

COMPUTER CONNECTION TECHNOLOGY

PCI 2 Port FireWire + USB 2.0 4 Port USB2.0

User Manual ***English***



LINDY No. 51095

www.LINDY.com

The USB Ports Feature:

Compliant with USB specification revision 2.0
- -Compliant with EHCI specification revision 0.95
- -Compliant with UHCI specification revision 1.1
- -PCI multi-function device consists of two UHCI host controllers for full / low speed signaling and one ECHI Host Controller core for high speed signaling.
- -2 Downstream facing ports in the root hub with integrated physical layer transceivers shared by UHCI and EHCI Host Controllers
- -Supports PCI Bus Power Management interface specification release 1.1
- -Legacy support for all downstream facing ports

The IEEE 1394a Ports feature:

Compliant with the IEEE 1394-1995 standard for high performance serial bus and the P1394a Supplement 2.0
- -Full P1394a compliancy includes:
  - *Arbitrated Short Reset *Connection De-bounce *Multi-speed Concatenation *ACK Accelerated Arbitration *Fly-by Concatenation *Programmable Port Disabling, Suspending, and resuming *Physical ID's don't increment past 63
- -Provides two 1394a compliant ports at 100/200/400 Megabits per second (Mbit/s)
- -Logic based Bus initialization and arbitration functions
- -Encoding and Decoding functions included for Data-strobe Bit-level encoding
- -Incoming data re-synchronized to local clock speed
- -Cable power presence monitoring
- -Programmable node power class information for System Power Management
- -Fully interoperable with IEEE 1394-1995 devices
- -The cable ports monitor line conditions for active connections to remote nodes

System Requirements:

- -A computer with a Pentium Pro®, Pentium® III, IV , or equivalent processor with 1 available PCI slot.
- -Microsoft® Windows® 98SE/ME/2000 with SP3 or later/XP with SP1 or later/Vista.

Package Contents:

This USB 2.0 + IEEE 1394a PCI Card package includes the following items:
- -Hardware installation guide
- -Software installation guide
- -PCI Card
- -Driver CD

Hardware Installation:

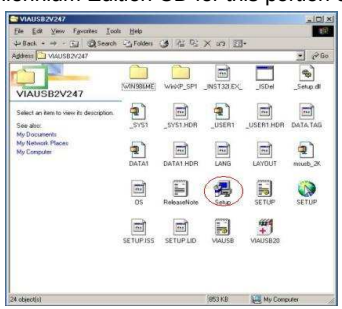
Please refer to the included hardware installation guide for step-by-step instructions on how to install your new product.

Software Installation

Installation for Windows® 98 SE / Millennium Edition

After correctly installing the PCI card, turn on your computer. Once Windows® initializes, the "Add Hardware Wizard" will launch and guide you through the installation of the required drivers for the "VIA Tech 3038 PCI to USB Universal

1. Host Controller." You will need to do this two times since there are two USB ports on this product. Next, the wizard will launch again guiding you through the installation of the PCI OHCI Compliant IEEE 1394 Controller's driver. Once this step finishes your IEEE 1394a ports are ready to be used. You may need your Windows® 98 SE or Millennium Edition CD for this portion of the installation process.

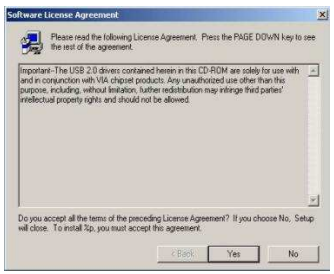


2. If there are exclamation marks next to any of them (as pictured above), you will need to run the hardware installation wizard again. If you encounter any difficulties with the add hardware wizard, please refer to your Windows® user manual. If there are no exclamation marks next to the VIA tech USB controllers, you are ready for the installation of the USB 2.0 root hub and the VIA PCI to USB Enhanced Host Controller drivers.
3. Please insert the driver CD into your CD-ROM drive.
4. Open the drivers folder, then the windows folder, then double click the setup.exe file as shown in the next picture.
5. The screen on the left below shows the opening screen of the setup program. Please click "**Next**." Next you will be prompted with a window offering you two choices (bottom right), choose install USB 2.0 drivers if you wish to install the USB 2.0 drivers, or should you wish to remove the USB 2.0 drivers simply choose the bottom choice, and the drivers will be completely removed from your computer. Click "**Next**" to finish the installation.
6. You will now be prompted to restart your computer. Click "**Finish**" to restart your computer. Remember to **save** any other files you may be working on before restarting your computer. Once your computer restarts you are ready to use and enjoy the high speeds of USB 2.0 and IEEE 1394a !!!

Software Installation for Windows 2000 w/ SP3 or later

NOTE! Service Pack 3 or later must be installed on the computer in order to utilize the USB 2.0 functions. Service Pack 3 and newer service packs are available for download at Http://windowsupdate.microsoft.com. It is highly advisable to install the latest service pack on your computer for full product functionality.

1. Once the product is installed and the computer rebooted, after windows® initializes, the "**Found New Hardware Wizard**" will automatically guide you through the installation of the needed drivers for the "VIA OHCI Compliant IEEE 1394 Host controller." Your IEEE 1394 ports will be ready for use once the wizard completes.
2. Insert the Driver CD into your cd-rom drive, then launch the setup program (lower left photo)

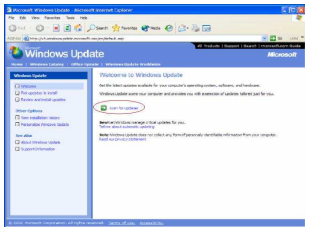


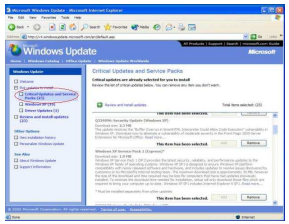
3. The above right screen shows the "**Software License Agreement**". Please read it carefully and click "**Yes**" if you wish to proceed with the driver installation.
4. Choose the install option to install the USB 2.0 drivers on your computer. (top left photo), The top right photo shows the Microsoft® Software License Agreement. Please read it carefully and click **"Yes"** if you wish to proceed with the driver installation.
5. Click "**OK**" at the top left screen, click "**print to file**" at the top right scree
6. Click "**ok**" at the top left screen, and "**finish**" at the top right screen to complete the installation. The Microsoft® EHCI drivers for Windows 2000 is now successfully installed.
7. Welcome to the world of High-Speed USB 2.0 and IEEE1394!

Driver Installation for Windows XP

After properly installing the PCI card into your computer, turn on your computer and wait for Windows® XP to initialize. The "Add hardware wizard will guide you through the installation of the IEEE1394 ports. Now Insert the Driver CD into your cd-rom drive and open the setup.exe file as shown on the left below.

1. **SETUP.exe** will redirect the user to Microsoft® Windows Update for downloading the drivers, please make sure the computer is connected to the Internet.
2. Select **"Install USB 2.0 Host driver"** and Click **"Next"**
3. Click **"Yes"** and the setup program will enable the user to connect to the Windows Update web site.
4. "SETUP.exe" launches Microsoft Internet Explorer and opens http://windowsupdate.microsoft.com.
5. Click on **"Scan for updates"** to get the latest updates. Microsoft® Windows Update lists all available updates on the website. It is recommended to download the **Microsoft® Windows XP Service Pack 1** since the Microsoft® EHCI drivers are included.
6. Once completed, welcome to the High Speed World of USB 2.0 and IEEE 1394!

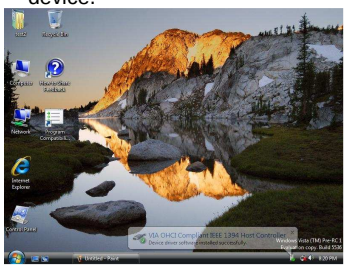


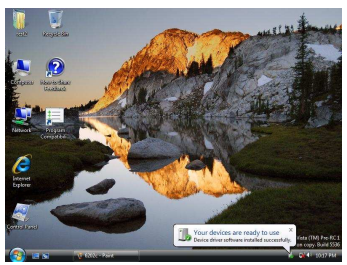


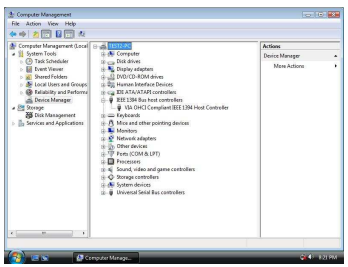
Driver Installation for Windows VISTA

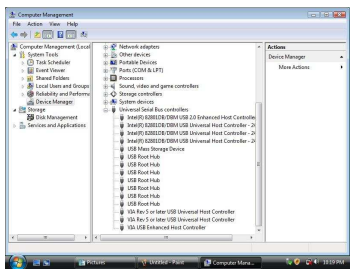
Properly insert the product into an available cardbus slot, and remember to connect the power cable to the product before attaching any peripherals.

1. Windows will automatically detect you have a new device the first time you power on your and thus request the devices software drivers.
2. Detect you have device to Install device software
3. Chick **"Device Manager"** to **"Universal Serial Bus Controllers"** and the **"VIA Rev 5 or later USB Universal Host Controller " &"VIA USB Enhanced Host Controller"** and **"IEEE 1394 Bus host controllers"** and the **"VIA OHCI Compliant IEEE 1394 Host Controller"**
4. should be displayed when successfully installed. The port is ready to connect new device.









CE Statement

This device complies with the European Regulations for Electromagnetic Compatibility (EMC) of the European Union and it is equipped with the CE mark. This unit has to be used with high quality shielded connection cables. Only if such high quality shielded cables are used can you be sure that the EMC compatibility is not adversely influenced.

FCC Statement

Shielded cables must be used with this equipment to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer

allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.
Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products.

More details can be obtained from your national WEEE recycling agency.

Germany / Deutschland

Die Europäische Union hat mit der WEEE Direktive umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt.
Dieses Gesetz verbietet vom 24.März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (WEEE) pour le recyclage de tout équipement électrique et électronique.
Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation WEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate.
Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.
Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

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