Table of Contents

INTRODUCTION1
FEATURES AND SPEC 2
OPERATIONAL GUIDE
USB2.0 CARDBUS DRIVER INSTALLATION
WIN98 DRIVER INSTALLATION
WIN2000 DRIVER INSTALLATION
WINME DRIVER INSTALLATION 8
WINXP DRIVER INSTALLATION 10
MAC OS X DRIVER INSTALLATION 12
EJECT USB2.0 CARDBUS PROCEDURE15

INTRODUCTION

This manual is for both: the *USB2.0 CardBus Dual*, a type IICardBus PC Card (2-4 ports), They are designed to the provisions of the USB2.0 OHCI standards. Ports for various high speed USB devices connection, up to 480 Mb/s data rate, hotplugging, legacy devices supporting, are provided for the maximum USB device connections.

FEATURES AND SPEC

- Independent full speed downstream USB 2.0 OHCI ports
- Full 480 Mb/s bandwidth for USB power users
- Works with Microsoft Windows 98/2000/ME/XP & MacOSX
- Supports up to 127 USB devices per port
- Hot-plugging, and wake-up supporting
- USB Chip: NEC
- USB Bus Power: (PC Card w/o Adapter) +5V, 100mA per port
- (PCI or PC Card w/ Adapter) +5V, 500mA per port
- USB Connectors: Two external for USB2.0 CardBus Dual
 Four external and one internal for PCI USB2.0 Host Adapter
 Three external and two internal for PCI USB2.0 Host Adapter LP
- Max cable length: 5 meters (Order option)
- AC Adapter: 5V
- Operating Temperature: 0 to 45 centigrade
- Card Size: 85.6 x 54 x 5mm , TYPE II CardBus PC

OPERATIONAL GUIDE

Installing the USB 2.0 Cardbus card

1. Insert the PC Card into an available CardBus type II slot with the arrow orientation pointing toward the slot.

2. Without power Adapter, the USB Bus provides 100mA current only. If the USB external device, such as Hard Disk, needs power more than this; please install the power adapter.

* Note the maximum power supply is 500mA. Please provides

self-power, if the device power consumption is over this limit.

3. Hardware installation is complete.

4. DC Power Jack: Input: 100-120V AC 60HZ, or

200-240V AC 50HZ,

Output: DC 5V 1.2A



WIN98 Driver installation

Once the card has been installed and the computer has restarted, Windows will detect the board and attempt to load the drivers from it. Windows will detect a "NEC USB Open Host Controller". Click "Next." Select "Search for the best driver for your device." Click "Next." Uncheck all boxes. Click "Next."



USB2.0 Cardbus User's Manual

Windows has found an updated driver for this device. Click"Next." Then Click "Next" again. The "Window has finished installing the software that your new hardware device requires" dialog appears. Click"Finish."

Add New Hardware Wis	NEE USB OpenHost Cantolies Windows has bistocial installing the adhears first your new hadrower device regards.
*	Sall Trinh Cancel

Repeat the above process for the second NEC USB Open Host Controller. Windows will find a "PCI Universal Serial Bus" device. Click "Next. Select "Display a list of all the drivers in a specific location, so you can select the driver you want". Click "Next."In the dialog that appears, highlight "USB Controllers". Click"Next."

	The vector disserches for new drivers for
- J	PGI Universital Stand Blue A denice driver is a software program that mailes a hardware device work.
8.3	
ð	
	Linet (Next) Cared

Click on the "Have Disk" button, click on the "Browse" button. Navigate to the folder that contains the USB 2.0 drivers. Click "OK."A dialog will appear with "NEC PCI to USB Enhanced Host Controller", click "Next" to continue.

4	Select the a disk that so driver, dick	nanulacturer o ntains the up Finish	and model of Saled diver. (your hardware slok Have Disk	device. Ir jou . To install th	i have a e updaled
Manufas Standi 3Con D ACER I Altec L Agen 4	chaers IS USB Hint and USB Host Coporation Later Inc. Anning	contra la	logiela Renoite USB	Hub]	_	
			< Bac	* (New		Cancel

USB2.0 Cardbus User's Manual

The "Windows driver file search for the device". Click "Next".



The "Window has finished installing the software that your new hardware device requires" dialog appears. Click "Finish." Restart Windows. Check your Windows System→Device Manager to confirm proper installation of USB 2.0 Hi-Speed drivers: NEC PCI to USB Enhanced Host Controller NEC PCI to USB Open Host Controller NEC PCI to USB Open Host Controller USB 2.0 Root Hub Device USB Root Hub



WIN2000 Driver installation

Once the card has been installed and the computer has restarted, Windows will detect the board and attempt to load the drivers from it. "Welcome to the Found New Hardware Wizard". Click "Next."



The "Install Hardware Device Drivers" dialog appears. Check Search for suitable driver then, click "Next."



The Locate Driver Files dialog appears. Click "Specify Location", click "Next." Click "Browse." Navigate to the folder that contains the USB 2.0 drivers. Click "Open" then click "OK." The next dialog will let you know the driver has completed loading. Click "Finish" to finalize the installation.



USB2.0 Cardbus User's Manual

Check your Windows System→Hardware→Device Manager to

confirm proper installation of USB 2.0 Hi-Speed drivers:

NEC PCI to USB Open Host Controller

NEC PCI to USB Open Host Controller

NEC PCI to USB Enhanced Host Controller

USB 2.0 Root Hub Device

USB Root Hub

USB Root Hub

- Geographics
 Geographi

WINMe Driver installation

Once the card has been installed and the computer has restarted, Windows will detect the board and attempt to load the drivers from it. Windows will find a "PCI Universal Serial Bus". Select "Specifiy the location of t he driver". Click "Next." Put a check mark in the box next to "Specify Location," then click "Browse." Navigate to the folder that

contains the USB 2.0 drivers.

Click

"Next."



The driver will be NEC PCI to USB Enhanced Host Controller" When you see the screen, click "Next."



The next dialog will let you know the driver has completed loading.

Click "Finish" to finalize the installation.



Check your Windows System→Device Manager to confirm proper installation of USB 2.0 Hi-Speed drivers:

NEC PCI to USB Enhanced Host Controller NEC PCI to USB Open Host Controller NEC PCI to USB Open Host Controller

USB 2.0Root Hub

USB Root Hub

USB Root Hub



WINXP Driver installation

Once the card has been installed and the computer has restarted, Windows will detect the board and attempt to load the drivers from it. "Welcome to the Found New Hardware Wizard". Select "Install from a list or specific location", click "Next."

完成尋找新希理藝精重 1889年春天英子和28年 - SBC PCI to UEB Exhaused Boot Constanting
经 (元水) 開始編集 -

Click "Browse" Navigate to the folder that contains the USB2.0 drivers. Click "Open" then click "Next".



Following Screen appears. Click "Continue Anyway"



Click "Finish", now the driver setup has been finished.

Completing the Found New Hardware Wizard The visadhs field intelligitle sitivate for
And Partie une principal de Lattan
Click Finish to obsee the mizant.

WinXP will detect new hardware "USB 2.0 Root Hub", the installation procedure is same as up.

Check your Windows System→Hardware→Device Manager to confirm

proper installation of USB 2.0 Hi-Speed drivers:

NEC PCI to USB Open Host Controller

NEC PCI to USB Open Host Controller

NEC PCI to USB Enhanced Host Controller

USB 2.0 Root Hub

USB Root Hub

USB Root Hub



Mac OS X Driver installation

The Mac USB20 driver requires Mac OS X v10.0.4 or later

Copy the driver file to Mac Hard disk, and double click this file. Double click on "USB2EHCI_v108.pkg.img", and double click on "USB2EHCI_v108.pkg".



Click the lock to mark changes.



Input the user name and password, Click "Ok".



Welcome to the USB 2.0 EHCI Support v1.0.8 $\,$

Click "Continue".

000	Install LLB 3.4 DHG Support v3.0.6
	Welcome to the USB 2.0 EHCI Support v1.0.6 Installer
Bistraduction Salace Desimation Unstablished Tage Bistraductor Bistr	Welcome to the Mac OS X Installation Program. You will be guided through the steps moos say to install the Mac OS X operating system.
	Canthur

Select a destination volume to install the USB 2.0

Click "Continue".

680	Install USB 3-0 EHCl Support v1-0-5
	Select a Destination
Select Destination	Select a destination volume to install the USB 2.0 EHCI Support
R Installation Type Alex20349 B Troom Up	051064- 2.603
	Losses of elisk space is required for this installation.

Click install to perform a basic installation of t his software package. Click "Install".

008	install USB 2.0 (190) Season vi.0.6
	Easy Install
Oberoduction Obsect Decompton Discottant Type Prevailing Prevailing Prevailing Prevailing	Click Instal to perform a basic installation of this software package.
	Custance Co Rack (Hotal)

The software was successfully installed.

The computer will restart in 30 seconds.

	Install Software
Atornolasian Dialest Destantion Anasolation Type Obscullag Offensh Up	The software was successfully installed The computer will restort in 13 seconds.
. 7	- ferter

Check your MAC Applications→Utilities→Apple System Profiler→ Devices and Volumes to confirm proper installation of USB 2.0 Hi-Speed drivers:



Eject USB2.0 CardBus procedure

Win2000 and WinXP:

***** Before unplugging the card, first Remove the driver:

Click the arrow symbol at the right corner of page bottom.



Choose "NEC PCI to USB Open Host Controller" and click "STOP".



Win98 and WinME:

Please install USB2.0 safe remove program. and reboot computer.

H Before unplugging the card, first Remove the driver:

Setup will now install an eject utility for your USB2.0 CardBus adapter. This utility will display the eject icon pictured to the right in the Windows status tray when the adapter is inserted.



itled - ... 🛛 🚜 🏷 🚺 🏷 2:05 PM

To eject your USB2.0 CardBus, simply left click on the eject icon...



Then select "Eject USB2.0 Cardbus Card" to safely remove your USB2.0 CardBus adapter.

USB2.0 Cardbus User's Manual

When the adapter can be safely removed, the following dialog will pop up:

Eject USB 2.0	Cardbus Card	Z
You may now sa	fely remove your USB 2.0) Cardbus Adapter.
	(OK)	

After you click "Ok" you may safely remove your USB2.0 CardBus adapter.

Update the drive approach:

There are some notebooks that do not support the drive of system, you have to update the drive process for making the notebook work normally, the update approach is following;

- 1. Move the drive installation procedure of disc;
- 2. Please go to facility manager and find the following drive process, right key Click "Next";



3. Pop-up the updating drive program dialog box, see the drawing to choose, Click "Next";

	weicome to the Hardware Update Wizard
N.	This wizard helps you install software for:
	Standard Enhanced PCI to USB Host Controller
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced)
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

4、Click "Next"; See the drawing to choose, Click "Next";

lardware Update Wizard			
Please choose your search and installation options.			
○ Search for the best driver in these locations.			
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.			
Search removable media (floppy, CD-ROM)			
Include this location in the search:			
E:\ Browse			
On't search. I will choose the driver to install.			
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.			
< <u>B</u> ack <u>N</u> ext > Cancel			

5. See the drawing to choose, Click "Next";

£	Select the manufacturer and model of your hardware device and then click Ne have a disk that contains the driver you want to install, click Have Disk.		
v 9	how <u>c</u> ompatible hardware		
М	odel		
Standard Enhanced PCI to USB Host Controller			
USB 2.0 PCI to USB Enhanced Host Controller			
<u>^</u>	This driver is not digitally signed		
<u>a</u>	Tell me why driver signing is important		
	< <u>B</u> ack <u>N</u> ext >		

Select the device driver you want to install for this hardware.

6. See the drawing to choose, Click "Next";

Completing the Hardware Update Wizard
The wizard has finished installing the software for:
USB 2.0 PCI to USB Enhanced Host Controller
Click Finish to close the wizard.
< <u>B</u> ack Finish Cancel

 $7 \$ See the drawing to choose, Click "Next";

	Welcome to the Found New Hardware Wizard
No.	This wizard helps you install software for:
	USB 2.0 Root Hub Device
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	 Install the software automatically (Recommended) Install from a list or specific location (Advanced)
	Click Next to continue.
	< Back Next > Cancel

8、See the drawing to choose, Click "Next";

Please choose your search and installation options.

Dise the check boxes below to limit of expand the dera paths and removable media. The best driver found will	uit search, w be installed.	hich includes l	
Search removable media (floppy, CD-ROM)			
Include this location in the search:			
EX	~	Browse	
Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guara the driver you choose will be the best match for your hardware.			

9、 See the drawing to choose, Click "Next";

Select the device driver you want to i	nstall for this hard w are.		
Select the manufacturer and model of have a disk that contains the driver yo	your hardware device and then click I u want to install, click Have Disk.		
Show <u>c</u> ompatible hardware			
Model			
USB 2.0 Root Hub Device			
A This driver is not digitally signed! Tell me why driver signing is important	Ŀ		
	< Back Next >		

10、Click "Finish";

Completing the Hardware Update Wizard
The wizard has finished installing the software for:
USB 2.0 Root Hub Device
Click Finish to close the wizard.
< <u>B</u> ack Finish Cancel

11. Please back to facility manager and find the following two-drive process, right key Click "uninstall";

12. Re-start the noebook, auto-install procedure facility, then you can use $_{\circ}$