USB2.0 IEEE1394 Combo CardBus

User Manual
Version 1.0

Introduction

The USB 2.0 and IEEE1394A(FireWire) Combo CardBus card provides high performance serial connectivity. It is compliant with USB Revision 1.1/2.0 and IEEE1394 Open HCI 1.0 & 1.1 with DMA engine support and for high performance data transfer via a 32-bit bus master PCMCIA host bus interface.

Combo CardBus supports 1.5, 12, 100, 200, 400 and 480 Mbps data transfer rate and makes the connection of multiple USB 1.1/2.0 and IEEE1394 peripherals, such as, DV, external storage devices, Keyboard, Mice, Printers, Scanners, Digital Cameras, CD/ DVD-RW drives to function simultaneously on your notebook. Installation is quick and easy; simply slide the Combo CardBus card into the Type II PCMCIA slot on your notebook and you can enjoy the various of external devices conveniently and easily.

Package Content

1. Combo CardBus x 1
2. User's Manual x 1
3. CD Driver x 1
4. Switching Power Adapter x 1 (Option)

Product Features

1. USB specification revision 1.1 compliant
2. USB Printer Class Specification 1.0 compliant
3. USB full speed (12Mbps) with bus powered
4. True Bi-directional parallel communication

System Requirements

1. Pentium II or equivalent PC computer with one available Type II CardBus PCMCIA Card slot
2. CD-ROM / DVD-ROM drive installed.
3. Windows 98SE / ME / 2000 / XP and MAC 10.x or later.

Specification

1. Approval: FCC , CE
2. Port type: Two USB 2.0 ports
   Two 1394A (FireWire) ports (one 6-pin and one 4-pin)
3. Power: Optional switching power adapter provides sufficient bus power for USB 2.0/1.1 devices operation.
4. Combo CardBus design supports various kinds of USB 2.0/1.1 and IEEE1394A (FireWire) device connections.
5. Hot-swapping feature allows you to connect or detach devices without turning off system.
6. Works with various types of USB 2.0/1.1 & IEEE1394A(FireWire) devices including hard drives, DV, scanners, removable drives, CD/DVD-RW drives, digital cameras, Card reader/writers, printers…etc.
7. USB 2.0 interface:
   ➤ Compliant with USB specifications Rev. 2.0 and 1.1.
   ➤ Adds two USB 2.0 ports which support simultaneous operation of up to 128 USB 2.0/1.1 devices.
   ➤ Supports data transfer rates of 1.5, 12 and 480Mbps.
8. IEEE1394A (FireWire) interface:
   ➤ Compliant with IEEE 1394-1995, P1394a-2000 and OHCI 1.1 standards.
   ➤ Two 1394a (FireWire) ports support simultaneous operation for up to 63 devices.
   ➤ Supports data transfer rates of 100, 200 and 400Mbps.

Hardware guide:

① ② USB2.0 port Type
③ IEEE1394A(FireWire) port 6 pin Type
④ IEEE1394A(FireWire) port 4 pin Type
⑤ DC Input Jack (Switching Power Adapter is an option accessory)

Note:
Usually, the USB hub gets its power from the computer called bus power, but if large, or power hungry peripherals are connected, the bus power might not be sufficient, and may result in erratic operation. In this case, a DC Power Adapter should be used.

Driver Source of Supported OS:

Please follow the "Driver Source of Support OS", if your OS system shows "Vendor Supply", you should install the driver from attached CD.

O.S. \ Function	USB2.0 Port	IEEE1394A Port
Win98SE	Vendor Supply	Built in O.S.
Win ME	Vendor Supply	Built in O.S.
Win 2000	Vendor Supply	Built in O.S.
Win 2000 Sp4	Built in O.S.	Built in O.S.
Win XP	Vendor Supply	Built in O.S.
Win XP Sp1	Built in O.S.	Built in O.S.
Mac 10.2	Built in O.S.	Built in O.S.

Driver Installation guide:

✎ **Software installation:**

1. Please run the "**setup.exe**" program located within folder of the Driver CD

\PCMCIA\USB 1394 COMBO\setup.exe

2. This program will copy driver files into your windows system, and will show "**ALi PCI to USB Open Host Controller**". Then turn off your computer.
3. Insert Combo CardBus card into your PCMCIA slot and reboot your computer.

✎ **Windows 98SE / ME**
1. This wizard searches for new drivers and click "Next".
2. Select "Search for the best driver for your device", and click "Next".
3. Click "Next" constantly, and Windows will search the driver for the device.
4. Insert "Windows 98SE or ME CD-Rom in the selected driver and click "OK". The system will detect "**base5.cab**", and click "OK".
5. Windows has finished installing the software that your new hardware device requires, and click "Finish".
6. Repeat step 1 to step 5 as system needed.

✎ **Windows 2000/XP**
1. The system will show Hardware update Wizard, and select "Install the software automatically (Recommended), and click "Next".
2. Click "Continue Anyway" when the windows shows up.

3. The wizard has finished installing the software, and click "Finish".
4. Repeat step 1 to step 3 as needed.

Verifying Combo CardBus card installation on system:

Right click "My Computer", select "Properties", and "Hardware", then "Device Manager" to verify the driver installation completed.