

# USB 2.0 & IEEE 1394 COMBO CARD

## User's Manual

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### PACKING LIST

- USB2.0 and IEEE 1394 Combo PCI Card
- USB2.0 & 1394 Combo PCI Card Driver CD

※ This package contains each of products listed above.

## **Introduction:**

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This is a true innovative product. It comprises two USB 2.0 ports and three IEEE 1394a ports. The concept of designing this product is some consumers who's PC does not equip with USB 2.0 and IEEE 1394a port, and while he/she does not intend to buy a new PC for the time being, he/she likes to connect fast-growing USB 2.0 and IEEE 1394a devices. To overcome the problems, he/she just need to buy this Combo card, then his/her PC can be upgraded immediately with capability of using various USB 2.0 and IEEE 1394a devices, such as USB 2.0 and 1.1 Hub, USB Mouse, USB 2.0 Hard Disk, USB PC Camera, IEEE 1394a Camcorder, IEEE 1394a Printer...etc.

## **Features:**

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- **Compliant with 32 bit,33-MHz PCI slot**
- **3.3V PCI bus Support**
- **Support Plug & Play**
- **USB**
  - Compliant with USB Spec Revision 2.0 and 1.1
  - All 2 downstream ports can handle high-speed (480 Mbps), full-speed (12Mbps) and low-speed (1.5 Mbps) data transaction.
  - Support up to 127 USB devices
  - Over current protection for each USB port
  - Support Open Host Controller Interface (OHCI) and Enhance Host Controller Interface (EHCI)
- **IEEE 1394a**
  - Support IEEE 1394-1995 standard and 1394a supplement ver:2
  - Support 100,200 and 400 Mbps transmission rate
  - Both asynchronous and isochronous data transfer are supported
  - 2 external ports and one internal port
  - Supports up to 63 IEEE 1394a devices

## **System Requirements:**

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- Use with IBM PC compatible
- Recommended CPU speed at Pentium III or AMD-K7 or higher, RAM 128mb
- Windows 98,98SE,ME,Windows 2000 and Windows XP

## **Installing the USB2.0 & 1394 Comb:**

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1. Discharge any electricity from your body by touching a grounded metal object (such as the exposed metal parts on the back of your computer).
2. Turn the power off on your computer and disconnect the power cord.
3. Open the computer case. See your computer documentation for specific instructions, if needed.
4. Select an unused PCI slot. Remove the expansion slot cover.
5. Press down firmly until the USB2.0 & 1394 Combo Card clicks into the PCI slot.
6. Replace the slot cover screw.
7. Connect the USB2.0 & 1394 Combo Card internal power connector to a spare 4-pin mini power connect, as shown below. This connector supplies optional bus power to FireWire ports. If your system doesn't have a spare power connector, you can buy one similar to power connector as below.

4-Pin mini power connector





8. Close the computer case and reattach the power cord.

### **Specification:**

Interface	2 USB type-A ports 3 FireWire ports
Standards Compliance ( USB specs )	EHCI and OHCI compatible Support high speed (480 Mbps), full speed (12Mbps) low speed (1.5 Mbps) transmission rate
Standards Compliance ( FireWire specs )	Meets IEEE 1394-1995 standard and 1394a Ver.2 Support 100,200 and 400 Mbps transaction rate
Power Connector	4 Pin (2.54mm) Housing
Operating temperature	0°C to 40°C
Operating humidity	5% to 90% (non-condensing)
Weight	85 gram

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