

FireWire800 3Ports Host Adapter

1. Introduction

This FireWire800 3Ports Host has IEEE P1394b (FireWire800) 2Ports and 1394a 1Port to Transmit and Receive Data at 800/ 400/ 200/ 100 Mbits/s.

Apple Mac OS X v10.2.4 or newer support Built-in 800Mbps driver for this card. Mac OS 8.6 – Mac X v10.2.3 just support Built-in 400Mbps driver for this card.

1.1. Features

1.1.1. IEEE 1394b (FireWire 800 /400 /200 /100)

- Supports data transfer rate up to 800 Mbps
- Fully supports Provisions of IEEE P1394b Revision 1.33+
- Fully Supports Provisions of IEEE 1394a-2000 and 1394-1995 Standard
- One External 1394a-2000 Fully Compliant Cable Port at S400, S200, S100 speed
- Two Bilingual (9-pin) Cable Ports at S800 or S400b speed
- Supports Plug and Play

1.1.2. Features on model PCI Host

- Compliant with PCI Specification, revision 2.2.
- Integrated PCI DMA engines.
- 32 bit/33MHz and 64 bit/33MHz fully compliant PCI host interface.
- On Board 4Pin Power connector to have enough 12V bus power from system power supply

1.1.3. Features on model PCI-e Host

- Compliant with PCI Express Specification, revision 1.0a
- 1-lane 2.5Gbps PCI Express host interface
- On Board Molex mini 4Pin Power connector to have sufficient 1394 1.5A/12V bus power from PC power supply

1.1.4. Features on model Notebook 32bit Cardbus Host

- PC Card 32 bit CardBus fully compliant.
- 1.3 mm DC power jack for optional 12V DC Power Adapter.

1.1.5. Features on model Notebook ExpressCard Host

- Truly 1-lane 2.5Gbps PCI-e based ExpressCard/34
- Supports ExpressCard/34 and ExpressCard/54 Notebook
- 1.3 mm DC power jack for optional 12V DC Power Adapter.

1.1.6. DC Power Spec on models Cardbus and ExpressCard

- Power Input : 12V / 1A
- Polarity: Center --- Positive Power (V+), Outer --- Power Return (V-)
- Power Plug: 3.5mm * 1.3mm * 9mm

1.2. Package Contents

- FireWire800 Host card
- Driver CD
- Users Manual

2. Hardware Installation for PCI or PCI-e Host

1. Power down the desktop computer.
2. Insert the 1394b board into an available 32bit PCI or 64bit PCI or PCI-e slot.
3. Connect Y-type Power cable to 1394b board and System Power supply
4. Power up desktop computer.

3. Windows Software Installation

Execute ubCore.exe program in driver **CD E:\ 1394b_FireWire800 \TI \WinXP_SP2 \ Win2000_XP_2003** for Windows drivers or follow instructions below to have 800Mbps transfer rate on Windows XP Service Pack 2.

1. Go to \Windows\Driver cache\i386 and rename sp2.cab to sp2_100.cab (or rename sp3.cab to sp3_100.cab for XP SP3)
2. Go to Device Manager, IEEE 1394 Bus Host controller , Properties, Driver, Driver Update. Select 'No, not this time', 'Install from a list or specific location (advanced)', click 'Next', select 'Don't search I will choose the driver to install', click 'Next', then 'Have Disk'. Now point to driver CD E:\ 1394b_FireWire800 \TI \WinXP_SP2 Then continue.
3. Windows will now ask for the path to the file 1394.inf and ohci1394.sys and 1394bus.sys. It wants to install the newer ones (see above). Again point to driver CD E:\ 1394b_FireWire800 \TI \WinXP_SP2
4. Windows will ask to overwrite the new file? Please select YES and continue
5. Go to Device Manager, IEEE 1394 Bus Host controller , Properties, Driver, Driver Details, and verify that all driver files are from SP2 except the ohci1394.sys and 1394bus.sys, which are from SP1.
6. Finally you can go to C:\Windows\Driver cache\i386 and rename sp2_100.cab back to sp2.cab (or rename sp3_100.cab back to sp3.cab on XP SP3). Windows will no longer try to copy the newer driver file until you do a reinstall of the FireWire controller driver.



2-FW800-01E