Unibrain Fireboard-800 GOF-LC™

Firewire-800 Glass Optical Fiber (LC-type) to PCI OHCI Host Adapter

Overview

Fireboard-800 GOF-LC™ is a IEEE-1394b (Firewire 800) to PCI Host adapter, which has been designed to meet the most demanding requirements of today's 1394b bus designs. Through the Glass Optical Fiber (GOF) port type LC, the S800 (800Mbps) transmission of 1394b bus extends up to 550 meters distance. The Fireboard-800 GOF-LC has two (2) 1394b bilingual copper ports and one optical port LC type.

Applications

FireWire Networking Solution

External FireWire Hard Drive

Digital Camera

Digital Video

Specifications

- Based on latest Texas Instruments chipset:
  TSB81BA3D PHY
  TSB82AA2 IEEE-1394b OHCI-Lynx Controller
- Fully Supports Provisions of IEEE P1394b revision 1.33 at 1 Gigabit Signaling Rates.
- Fully Supports Provisions of IEEE 1394a-2000 and 1394-1995 Standard for High Performance Serial Bus.
- Provides Two (2) fully backward compatible (1394a-2000 Fully-Compliant), Bilingual 1394b, 9 pin ports at up to 800 Megabits per second and one(1) 1394b optical port with LC type connector.
- Multi-Mode-Fiber (MMF) Glass Optical Fiber cable support. Maximum link length 550 meters.
- Cable Power Presence Monitoring.
- 3.3V and 5V PCI bus signaling.
- 33-MHz/64-Bit and 33-MHz/32-Bit selectable PCI interface.
- Implements PCI burst transfers and deep FIFO to tolerate large host latency:
  -Transmit: FIFO-3K asynchronous & FIFO-2K isochronous
  - Receive: FIFO-2K asynchronous & FIFO-2K isochronous
- Dimensions: 3.23" (8.22cm) / 6.5" (16.50 cm)

Operating Systems support

- Windows NT 4.0/2000/XP/2003/Vista & XP 64 bit, using Unibrain's ubCore 1394b low level drivers
- Mac OSX 10.2.4 or higher (natively supported)
- Linux

Part numbers

- Fireboard-800 GOF-LC™ bulk: **1231**

unibrain
The 1394 Innovators

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