



FWB3414G

PCI Express 3+1 Ports
IEEE 1394b/a Host Controller



Introduction

Express is the next revolution in I/O interconnect standards that will deliver the bandwidth and features required by PCs, consumer electronics and communications devices. The architecture is a cost-effective, low-pin count, and point-to-point technologies offering maximum bandwidth, reducing cost and design complexity and enabling smaller form factors.

SUNIX FWB3414G is a single-chip solution for IEEE 1394b FireWire PCI Express and the interface has a potential transfer rates of 2.5 Gbps using a single-lane (or x1) PCI Express link. The FireWire 800 implementation of the IEEE 1394b standard supports transfer speeds up to 800 Mbps and device distances can now be up to 100 meters. IEEE 1394b PCI Express host card is particularly great for use with FireWire 800 multimedia peripheral and fully backward compatible with IEEE 1394a FireWire 400 devices, such as digital video (DV) camcorders, external enclosure.

Features

- Supports PCI Express Base Specification Revision 1.1.
- Single-lane (x1) PCI Express throughput rates up to 2.5 Gbps.
- Compliant with 1394 Open Host Controller Interface Ver1.1.
- Supports data transfer rates of 100, 200, 400 and 800Mbps.
- Provides 3 external and 1 sharing internal FireWire ports.
- Built-in 4-pin power connector for receiving extra power supply from system.
- Fully compliant with IEEE P1394b and backwards supports 1394a-2000 as well as 1394-1995 standards.
- Hot-swapping feature allows you to connect/disconnect devices without powering down the system.
- Works with various types of 1394 devices including DV camcorders, hard disk drives, removable drives, CD-RWs, DVD-ROMs and other 1394 audio/video devices
- Support Microsoft Windows 2000, XP, Sever2003, Linux and MAC G5 operation system.

Specification

- Interface: Single-Lane (x1) PCI Express
- Mode: IEEE1394b /a
- Controller: LSI FW643
- Port: 3 external and 1 sharing internal FireWire ports
- Speed: Data Transfer rate of 100, 200, 400, and 800Mbps
- O.S. support: Windows2000/XP/2003/, Linux 2.4x, 2.6x, and MAC G5
- Environment : Operation temp. 0 °C ~ 57 °C
Storage temp.-20 °C ~ 85 °C
Operation humidity: 5 ~ 95% RH

Package Contents

1. FWB3414G
2. User Manual
3. IEEE1394b Cable (Optional)
4. Ulead DVD/VCD Editing Software (Optional)

Applications

