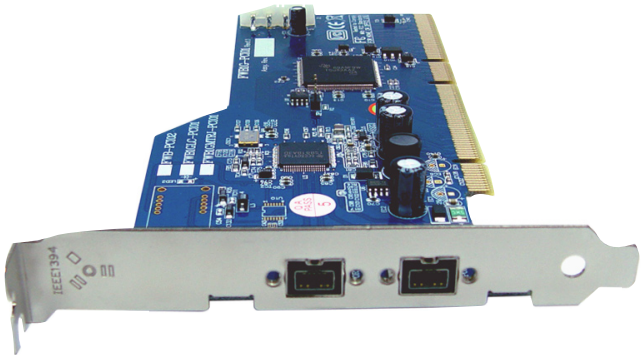
IEEE-1394b PCI Card
ACC-01-1001

POINT GREY RESEARCH

- **Texas Instrument TSB81BA3D PHY**
- **Two 800Mb/s 1394b locking ports**
- **Supports up to 80MB/s data transfer**
- **Acquire images from up to 4 cameras**



Part Number
ACC-01-1001

The IEEE-1394b PCI card is designed for multiple camera arrays or high data rate applications that require fast and reliable data transfers into the host system.

It allows simultaneous image acquisition from up to 4 cameras, and total data throughput of 80MB/s, using a single card.

Each card includes a standard size PCI mounting bracket, two (2) bilingual 1394b ports with locking screw connection, and internal power connector.

FEATURES

- Universal PCI interface compatible with 3.3-V and 5-V PCI signalling environments
- Supports 100, 200, 400 and 800Mb/s transfer rates
- PCI 2.x compliant
- Provides two IEEE-1394b-2002 bilingual 9-pin cable ports with jack screw connector
- Fully backward compatible with IEEE 1394a-2000 and 1395.1995 standard for high performance and serial bus
- 33-MHz/64-bit and 33-MHz/32-bit selectable PCI interface
- Complies with PCIe 1.1 and 1394 OHCI draft 1.2
- 4-pin DC+12V bus power connector
- Plug and play for automatic device driver installation
- Ultra-low power operation and intelligent power management capabilities
- RoHS, FCC and CE compliant

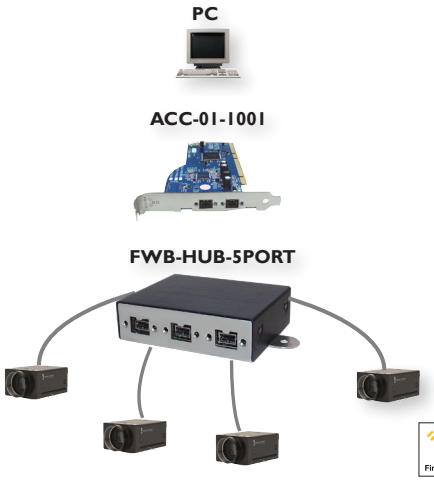
COMPATIBILITY

- All Point Grey 1394 camera products
- All Point Grey FirePRO™ products
- Microsoft Windows XP/2000/2003/Vista, Linux, Mac OS X

SAMPLE CONFIGURATION

4 cameras streaming 80MB/s image data into a single card

- Grasshoppers on the same 1394 bus auto sync
- MultiSync software syncs cameras across multiple buses



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