

### Overview

## Models

HP 1394a FireWire PCIe x1 Card

BW851AA

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## Introduction

This high speed serial interface enables fast data transfer from external peripherals such as external hard disks, digital cameras and video cameras. IEEE-1394a is one of the fastest serial interface standards ever developed which makes it great for use with high-speed or bandwidth-intensive multimedia peripherals such as digital video cameras, audio, streaming and graphics.

The PCIe card features two external IEEE-1394a ports located on the PCIe card bracket and one internal port header located on the PCIe card to connect to front panel 1394a port on HP desktop. All a customer needs is an open PCIe slot, this PCIe card for the card to function at 400 Mb/s.

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## Performance

The HP IEEE 1394a FireWire PCIe x1Card performs with data rates of up to 400 Mb/s.

**NOTE:** Actual performance will be lower based on protocol overhead and the peripherals attached.

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## Key Benefits

Data transfer between digital electronic devices that support the IEEE-1394a standard.

- IEEE-1394a protocol reduces delays in arbitration and signal distortion, and increases throughput
  - Extending the cabling distance between devices up to 100 meters
  - Hot-swappable: Devices can be added and removed while the bus is active
  - Isochronous data delivery: no dropped frames – IEEE-1394a supports real-time data delivery
  - Flexible: up to 63 devices can be connected on a single bus
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## Compatibility

HP Compaq 4300 Pro SFF, HP Compaq 6005 Pro MT, HP Compaq 6005 Pro SFF, HP Compaq 6005 Pro USDT, HP Compaq 6200 Pro MT, HP Compaq 6200 Pro SFF, HP Compaq 6300 Pro MT, HP Compaq 6300 Pro SFF, HP Compaq 8200 Elite SFF, HP Compaq 8200 Elite CMT, HP Compaq 8200 Elite MT, HP Compaq 8200 Elite USDT, HP Compaq 8300 Elite MT, HP Compaq 8300 Elite CMT, and HP rp5800 Retail System.

**NOTE:** Please check this product's web page on [HP.com](#) for current compatibility information.

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## Service and Support

The HP 1394a FireWire PCIe x1Card has a one-year Limited Warranty or the remainder of the warranty of the HP supported product in which it is installed. Technical support is available seven days a week, 24 hours a day, by phone, as well as online support forums. Certain restrictions and exclusions apply.

### Technical Specifications

<b>Data Transfer Rate</b>	Supports up to 400 Mb/s
<b>Devices Supported</b>	IEEE-1394 compliant devices
<b>Bus Type</b>	PCIe card full height PCIe slots
<b>Ports</b>	Two IEEE-1394b external 9-Pin connectors (Rear)
<b>Internal Connectors</b>	One 10-Pin header connector
<b>System Requirements</b>	Microsoft® Windows® XP Professional, Windows XP Home, Windows Vista. Not supported on Linux. Pentium® III or higher processor 128-MB RAM 1-GB Hard Drive CD-ROM drive Built in sound system Available PCI slot
<b>Temperature - Operating</b>	50° to 131° F (10° to 55° C)
<b>Temperature - Storage</b>	-22° to 140° F (-30° to 60° C)
<b>Relative Humidity - Operating</b>	20% to 80%
<b>Compliances</b>	FCC Part 15B, cULus 60950, CE Mark EN55022B(1995)/EN55024-1998 STD, Taiwan BSMI CNS13438, Korea MIC, OHCI 1.1
<b>Operating Systems Supported</b>	Microsoft Windows XP and Windows Vista

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