

TruFax[®] 100/200 PCI Board Hardware Installation

Part Number: 934-017-00

The TruFax 100 (one channel) and 200 (two channels) PCI boards are half-sized, single slot PCI bus compatible fax processing boards. They provide one or two fax channels per board, 14.4Kbps transmission speeds, and MH compression formatting.

You need a separate fax application to use the TruFax PCI board. Brooktrout does not provide a driver for this board. Use the driver that comes with your fax application. You do not need to download firmware to this board.

Note: Do not mix TruFax boards with TR114 boards in the same computer chassis.

This installation guide provides information on:

- ◆ Setting the board ID
- ◆ Recognizing PCI slots
- ◆ Installing the board
- ◆ Connecting telephone lines
- ◆ Installing and configuring your fax software
- ◆ Troubleshooting your TruFax board

WARNING: A small amount of static electricity can destroy the sensitive components on your board. To prevent static damage, always connect yourself to ground using a ground strap before touching a circuit board. Handle boards only by the edges or metal brackets and transport boards in an anti-static bag.

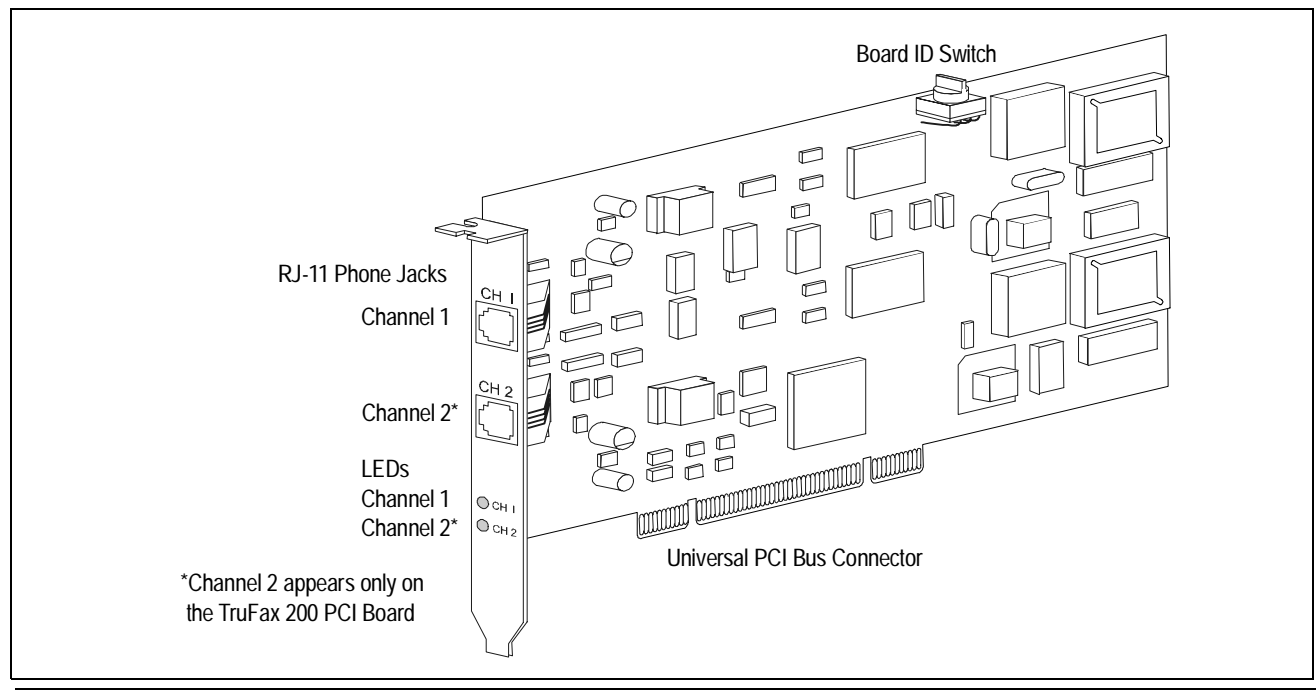


Figure 1 TruFax PCI Board (200 model shown)

Setting the Board ID

The board ID rotary switch (see Figure 2) allows you to uniquely identify a board using a hexadecimal number from 0 through F.

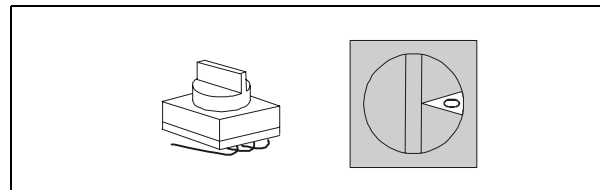


Figure 2 Rotary Switch

Recognizing PCI Slots

The PCI connectors in the computer chassis usually appear as white slots, unlike ISA connectors which are dark brown. The different variations of PCI connectors that can be used with the TruFax board are shown in Figure 3. The TruFax board has a Universal PCI board edge connector. It can be inserted into any of the PCI slots shown in Figure 3.

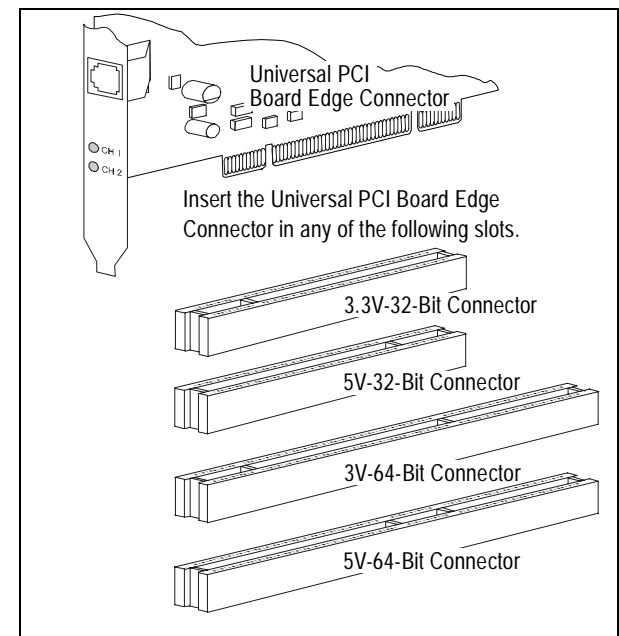


Figure 3 PCI Slots

Installing the Board

Before installing your board, verify each of the following:

- ◆ The host computer's processor is a Pentium or greater.
- ◆ The host computer has a 32-bit or 64-bit PCI slot with a PCI expansion bus with a speed of at least 33 Mhz. See Recognizing PCI Slots for PCI connector information.
- ◆ Your system has adequate airflow for proper cooling.
- ◆ Your system is in an environment with 10% - 95% humidity.
- ◆ Your system meets power requirements as follows:

+3.3V	+5VDC	+12VDC	-12VDC	Total Power
0	360 mA	20 mA	4 mA	2.1 Watts

To install your TruFax PCI board:

1. Turn off your PC and remove the cover.
2. If the system has a PCI expansion hold down bar, remove it.
3. Locate a free PCI bus slot and remove the slot cover.
4. Carefully align the board with the slot and firmly seat the board into the slot.
5. Tighten the bracket screw to secure the board to the chassis.
6. Replace cover.
7. Turn on your computer.

Note: The LEDs mounted on the bracket will flash once when the board resets.

Connecting Telephone Lines

For simple loopstart service, you must have a loop-start telephone line for each channel. You need one loop-start line for the TruFax 100 PCI board, or two loop-start lines for the TruFax 200 PCI board. For PBX or key telephone systems, you must have an analog single-line extension for each channel.

To connect the TruFax board to the telephone lines, plug one end of the provided telephone cord into a TruFax telephone jack and the other end of the cord into a wall-mounted telephone jack.

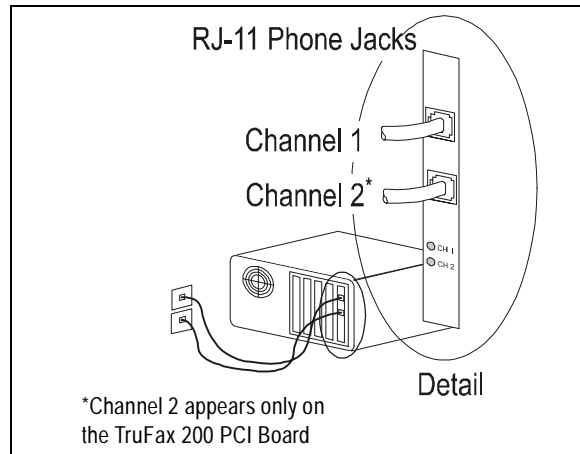


Figure 4 Connecting to the Telephone Lines

Installing and Configuring Your Fax Software

Once you have installed your TruFax PCI board, install and configure your third party fax software application according to instructions included with the software. After you have set up your software to support the TruFax board, you can send and receive faxes.

Troubleshooting Your TruFax Board

The CD included with your TruFax board contains a Windows NT/ Windows 2000 utility to test the TruFax board to ensure it is installed and functioning properly. The Windows NT/ Windows 2000 test utility is also available on the Brooktrout Technology internet site, under *Support*.

If you have completed the tests above and your board does not fax, verify the following:

- ◆ An appropriate software application for fax has been installed.
- ◆ The software supports this model fax board and has been correctly configured for it.
- ◆ This board is plugged into an analog phone line.
- ◆ If your board has multiple channels, the correct channel is connected to the phone line.
- ◆ The phone line is working properly.

Contact your analog service provider to troubleshoot the line.

Technical Specifications

Technical specifications, including information on pin numbers, physical requirements, and interface requirements for your board, can be obtained from Technical Support.

Technical Support

Use one of the following methods to contact Brooktrout Technical Support.

United States, Canada, Latin America

Email: techsupport@brooktrout.com

Telephone: +1 781-433-9600

Fax: +1 781-449-9009

Technical support is available Monday through Friday, 8:30am through 5:30pm, Eastern US time.

Europe

Email: eurosupport@brooktrout.com

Telephone: +32 2-658-0170

Fax: +32 2-658-0180

Technical support is available Monday through Friday, 9:00am to 6:30pm CET.

Japan

Email: inu@dns1.infocom.co.jp

Telephone: +81 3-5800-9102

Fax: +81 3-5800-9183

Technical support is available Monday through Friday, 9:30am to 5:30pm.

Web site: <http://www.brooktrout.com>

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Install this board only in UL listed equipment that has instructions stating that the user may install and remove boards.

This product is compliant with FCC Part 68 and Canadian Government requirements. Refer to the installation and configuration guide for your operating system for more information about these and other regulatory compliance requirements.