

## TruFax Series: TruFax 100 and 200 PCI

### Dependable Fax Performance for Small Businesses and Low Volume Fax Customers

Brooktrout Technology is the market leader in Intelligent Fax technology, having pioneered the category in 1994. Acquired from over a decade of experience, Brooktrout's TruFax® Series has a built in library of communication techniques that identify and adapt to the various implementations of real world fax machines and line conditions. This technical formula, TruFax's Adaptive Call Progress ensures unparalleled levels of compatibility, high rates of connectivity and high overall transmission speeds.

Brooktrout's TruFax Series is a line of intelligent fax boards that offer small to medium-sized businesses and departmental workgroups dependable fax capabilities for a variety of computer based fax applications, such as network fax and fax broadcast. The TruFax Series offers a level of reliability and fax performance that businesses can depend on at an economical price point for low volume fax traffic. Unlike Class 1 and Class 2 fax modems, TruFax's advanced fax algorithms, dedicated fax processing components, and a single-purpose design delivers the performance that enterprise fax applications require.

TruFax offers Adaptive Call Progress algorithms to ensure high connectivity rates and transmissions speeds across a wide range of fax machines and telephone line conditions. It is the same Intelligent Fax technology used in Brooktrout's high-end, market leading TR114™ and TR1034™ Series. TruFax processes the fax protocol onboard, thereby lowering the CPU utilization of the server and improving overall system performance. Designed purposely to support fax-only modulation, TruFax provides a high level of network security from unauthorized data call attempts.

The TruFax 100 one-channel fax board is for customers who have minimal faxing requirements, but still require a highly reliable and dependable solution. The TruFax 200 two-channel fax board is recommended for use with a network fax solution. By configuring the board to send and receive faxes through separate channels, the fax solution is always prepared to receive faxes in one channel while the other channel is occupied sending faxes from the outbound job queue.

### Target Applications

- Network Fax
- Broadcast Fax
- Production Fax





# TruFax Series Specifications

## HARDWARE

- Processor (per channel): 16MHz Zilog Z86C91
- Fax modem (per channel): Conexant 144EFLX
- Host System Interface: Universal PCI (PCI Specification 2.2 compatible)
- Standard Font: 12 point Pica, IBM Character Set (normal resolution)
- Telephone Interfaces: Loop Start, RJ-11
- Programmable Transmit Levels

## FAX

- ITU T.30 Compliant
- Transmission Protocols: V.17, V.21, V.27, V.29, V.33
- Compression Format:
  - T.4 (MH)
  - Bit Rate: 14.4 kbps, Auto step-down to lower rates
- Error Detection: MH decode and line-length detect, Scan-line sanitization
- Polling: Normal, Fine
- Image Width: A4, A3, and B4
- Image Length: Unlimited
- Format Conversion "on-the-fly":
  - ASCII, TIFF-F

## CALL PROGRESS AND CALL CONTROL

- Dialing and Call Progress: Onboard DTMF generation and detection
- Adaptive (S.I.T. detection included), Pulse and DTMF

## CERTIFICATION (INTEROPERABILITY) APPROVALS

### US/Canada

- Safety: UL 1950 and CSA C22.2
- Emissions: FCC Part 15 and ICES 003, Class B
- Telecom: FCC Part 68 and IC CS03

## European Community

- Safety: EN60950
- Emissions: CISPR22
- Telecom: CTR-21

*For updated certifications and approvals, please contact Brooktrout for details.*

## OPERATING SYSTEM SUPPORT

- Microsoft Windows Server 2003
  - Microsoft Windows 2000
  - Microsoft Windows NT 4.0
  - Linux RedHat
- Other operating systems may be supported. Please contact Brooktrout for details.*

## PHYSICAL AND ENVIRONMENTAL

- Size: Universal PCI Custom short; 7 3/4" length
- Temperature: 0°-50°C operational
- Humidity: 10%-95% (non-condensing)

## POWER REQUIREMENTS (TYPICAL)

+3.3Vdc	+5Vdc	+12Vdc	-12Vdc	Total Power
0	360mA	20mA	4mA	1.84W

## MODELS/CONFIGURATIONS

- TruFax 100 uPCI Domestic  
1 channel: 904-030-40
- TruFax 200 uPCI Domestic  
2 channel: 904-030-50
- TruFax 100 uPCI International  
1 channel: 904-030-70
- TruFax 200 uPCI International  
2 channel: 904-030-80

## API SUPPORT

Brooktrout Fax and Voice 4.3

## WARRANTY

Five year hardware. Separate warranty terms apply to software and custom products.

## Features and Benefits

- Compatible with Universal PCI 2.2 Standard. Allows operation in both 3.3 or 5.0 volt PCI slots.
- 14.4Kbps fax transmission speeds.
- Onboard fax protocol processing to off-load utilization from the server.
- Up to two channels per board for dedicated send and receive channel configuration.
- One or two onboard analog telephony interfaces.
- Adaptive call progress to ensure high connectivity rates and transmissions speeds across a wide variety of fax machines and line conditions.
- Fax-only modulations for network security from data call attempts.
- Install up to 4 boards per server. *(See TR114 or TR1034 for higher density fax boards.)*

## TECHNICAL SUPPORT

The Brooktrout Support Team offers a range of support programs to meet your specialized needs.

Brooktrout Technology is a leading supplier of media processing, network interface, call control and signal processing products that enable the development of applications, systems and services for both the New Network™ (packet-based) and the traditional telephone (TDM) network. Our strategy is to partner with our customers and collaborate closely with them to help accelerate their delivery of new applications and services, increase their existing business, and expand into new markets.



Your Hook into the New Network®

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