

The Brooktrout® TruFax® Fax Boards support a variety of applications, such as fax server and workflow fax, and offer enterprise-level quality and performance to small businesses.

Brooktrout TruFax Fax Boards provide up to two channels per board for dedicated send-and-receive channel configurations. One-channel analog is suitable for customers who have occasional faxing needs, but still require a very reliable fax solution. The two-channel analog is generally used in network fax solutions. If Brooktrout TruFax Fax Boards are configured to send and receive faxes through separate channels, the fax solution can receive faxes in one channel and send faxes from the outbound job queue in another channel.



## Features

**Dialogic® Brooktrout® Adaptive Call Progress provides a built-in library of communications algorithms for the identification of and adaptation to various fax machines and line conditions**

### Purpose-built

### Fax-only modulation

### Onboard fax protocol processing

## Benefits

Provides compatibility, high rates of connectivity, and high transmission speeds across a wide range of fax machines and telephone line conditions

Leverages advanced fax algorithms and dedicated faxprocessing power, offering performance and reliability benefits in comparison to Class 1 and Class 2 fax modems and multipurpose telephony adapters

Drops all non-T.30 packets, eliminating possible security issues related to non-T.30 packets

Can lower a fax server's CPU utilization and improve overall system performance

Table 1 lists the Brooktrout TruFax Fax Board models and some of their features.

Models	Channels	Interface	Microsoft® Shared Fax	Adaptive Call Progress
TruFax 100	1	Analog	x	x
TruFax 200	2	Analog	x	x

Table 1. Brooktrout TruFax: Models and Features

## Technical Specifications

### Hardware

Note: Brooktrout® TruFax Fax Boards are not compatible with Brooktrout® TR1034 Fax Boards in the same chassis.

### Analog

CPU: PowerPC 8241 @ 200 MHz

DSP: T1 C5402 (61 MIPS total)

Network interface: 1 or 2 ALS

Signaling: FCC part 68 and TBR21

Physical: Half-size 6.6 in. long x 4.376 in. wide, 33 MHz PCI 2.2 universal card (3.3/5 V signaling)

Server Bus: PCI: 33 MHz PCI 2.2 universal card (3.3/5 V signaling); PCIe: x4, x8, or x16 slots  
 Power: PCI: 5 W, both +3.3 V and 5 V power supply required; PCIe: 2 Channels, 12 W  
 Up to 4 boards per server

## Fax

Up to 14.4 kbps with auto fallback

ITU T.30; Group 3

Analog: V.17, V.27, V.29, V.33 modulation

Normal and fine resolution: 100x200, 200x200

Analog-MH and MR compression, BRI-MH, MR compression; 250 and 450 BRI- MH, MR, and MMR compression plus ECM

Onboard image conversion A4 page size

Format conversion “on-the-fly”: ASCII, TIFF-F call progress and call control

Dialing and call progress: Onboard DTMF generation and detection

Adaptive (SIT detection included), pulse, and DTMF

Inbound fax routing capability

## Operating System Support

Windows®; Linux. Details at <http://www.dialogic.com/systemreleases>

## Installation and Configuration

Windows® Plug and Play Compliant

## Application Programming Interface

Dialogic® Brooktrout® Bfv API

## Environmental Compliance

This electronic equipment complies with the European Union Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, Directive 2002/95/EC.

## Analog (2 port)

PCI: 741,750 hours

PCIe: 671,750 hours

## Ordering Information

The following table provides ordering information for Brooktrout® TruFax® Fax Boards.

Product Code	Order Code	Description
Trufax 100-R PCI HALF*	901-004-07	1 Channel Loop Start; half-size Universal PCI
Trufax 100E HALF	901-013-08	1 Channel Loop Start; half-size Universal PCIe
Trufax 200-R PCI HALF*	901-004-08	2 Channel Loop Start; half-size Universal PCI
Trufax 200E HALF	901-013-10	2 Channel Loop Start; half-size PCI Express

Note: Requires Brooktrout® SDK Version 5.0.0 or greater