

## Enterprise Performance at Small Business Value



*The Cantata Technology Brooktrout TruFax® is a line of intelligent fax boards that offer small businesses and departmental workgroups dependable network fax capabilities for a variety of applications, such as fax server and workflow fax.*

*TruFax offers enterprise quality, reliability, high performance fax technology at small business value.*

*The TruFax intelligent fax boards are available in several configurations to meet your needs with up to four channels per board for dedicated send and receive channel configuration. The TruFax one-channel analog, and two-channel BRI fax boards are designed for customers who have occasional faxing requirements, but still require a highly reliable and dependable solution.*

*The TruFax two-channel analog and four-channel BRI fax boards are 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.*

*With over 70% market share worldwide, Cantata is the market leader in intelligent fax platforms, offering the fullest featured and broadest range-of-fax platforms available on the market today. The Brooktrout intelligent fax technology reduces cost and maximizes ROI of fax servers by providing the most reliable and secure fax platforms available.*

### Features & Benefits

#### High Connectivity Rates and Transmissions Speeds

TruFax's Adaptive Call Progress, a built-in library of communication algorithms that identify and adapt to various fax machines and line conditions, ensures unparalleled levels of compatibility, high rates of connectivity and high transmission speeds across the widest range of fax machines and telephone line conditions.

#### High-Octane Performance with Mission-Critical Reliability

Unlike Class 1 and Class 2 fax modems and multipurpose telephony adapters, TruFax is purpose-built for fax-only modulation, leveraging advanced fax algorithms and dedicated fax-processing horsepower to deliver high-octane performance and mission-critical reliability. Fax-only modulation keeps your network secure from data call attempts. The TruFax has Error Correction Mode (TruFax 250 and 450 only) to ensure high first-attempt transmission rate and Modified Modified Read (MMR) compression algorithm (TruFax 250 and 450 only) to reduce transmission time by 2 to 3 times.

#### Onboard Fax Protocol Processing Off-Loads Utilization from the Server

TruFax processes the fax onboard, lowering the CPU utilization of the server and improving overall system performance.

#### Customer Friendly Installation

End-Users can easily install and configure their TruFax BRI intelligent fax board with the Windows GUI Installation, a graphical configuration tool.

	Channels	Telephony Interface	Plug and Play	MS Shared Fax	Adaptive Call Progress	ECM	MMR
<b>TruFax 100</b>	1	Analog	✓	✓	✓		
<b>TruFax 200</b>	2	Analog BRI ISDN*	✓	✓ (analog only)	✓		
<b>TruFax 250</b>	2	BRI ISDN*	✓		✓	✓	✓
<b>TruFax 400</b>	4	BRI ISDN*	✓		✓		
<b>TruFax 450</b>	4	BRI ISDN*	✓		✓	✓	✓

\* Euro and Japan ISDN

## Specifications

### HARDWARE

#### Analog

- CPU (per channel): 16MHz Zilog Z86C91
- Fax modem (per channel): Conexant 44EFLX
- Media Channels: Up to 2 V.17 fax
- Network interface: 1 or 2 Loop start RJ-11
- Physical: half-size 33 MHz PCI 2.3 universal card (3.3/5V signaling)
- Power: 2W
- Up to 4 boards per server\*

#### BRI

- CPU: PowerPC 8241 @ 200MHz
- DSP: TI C5402 (61 MIPS total)
- Media channels: Up to 4 V.17 fax
- Network interface: 1 or 2 BRI
- Signaling: ISDN BRI, Euro, Japan
- Physical: half-size 33MHz PCI 2.2 Universal card (3.3/5V signaling)
- Power: 5W
- Up to 4 boards per server\*

### ENVIRONMENTAL

- Temperature: 0°–50°C operational
- Humidity: 10%–95% (non-condensing)

### FAX

- Up to 14.4Kbps with auto fallback
- ITU T.30; Group 3
- Analog: V.17, V.21, V.23, V.27, V.29, V.33 modulation
- BRI: V.17, V.21, V.23, V.27ter, V.29 modulation
- Normal and fine resolution: 100x200, 200x200
- Analog-MH compression, BRI-MH, MR compression; 250 and 450 BRI- MH, MR and MMR compression plus ECM
- On-board image conversion
- A4 page size
- Format Conversion "on-the-fly": ASCII, TIFF-F call Progress and call control Analog
- Dialing and Call Progress: Onboard DTMF generation and detection
- Adaptive (S.I.T. detection included), Pulse and DTMF
- Inbound fax routing capability

#### BRI

- International call progress and tone detection
- Programmable tone and cadence detection/generation
- CED, CNG, v.21 modem detection
- ANI/DNIS DTMF and MF detection

\* TruFax is not compatible with a TR1034 board in the same chassis.

### CERTIFICATION (INTEROPERABILITY) APPROVALS

US/Canada, European Union, Iceland, Norway, Switzerland, Australia, Japan.  
*For updated certifications and approvals, please contact Cantata for details.*

### OPERATING SYSTEM SUPPORT

#### Analog

- Windows NT, 2000 Server, 2003 Server
- Red Hat Linux 7.0, 8.0 and Enterprise Server/Advanced Server 3.0

#### BRI

- Windows NT, 2000 Server, 2003 Server and XP Professional
- Solaris SPARC 9 and 10
- Redhat Linux 7.2, 7.3, Advanced Server/Enterprise Server 3.0 and 4.0

*Other operating systems may be supported. Please contact Brooktrout for details.*

### INSTALLATION AND CONFIGURATION (BRI ONLY)

- Windows Plug and Play Compliant
- Graphical Configuration Tool

### MODELS/CONFIGURATIONS

- TruFax 100 uPCI Domestic 1 channel
- TruFax 200 uPCI Domestic 2 channel
- TruFax 100 uPCI International 1 channel
- TruFax 200 uPCI International 2 channel
- TruFax 200 BRI (2B+D), 2 channel fax board with BRI interface
- TruFax 250 BRI (2B+D), 2 channel fax board with BRI interface, MMR compression and ECM
- TruFax 400 BRI (4B+2D), 4 channel fax board with BRI interface
- TruFax 450 BRI (4B+D), 4 channel fax board with BRI interface, MMR compression and ECM

### APPLICATION PROGRAMMING INTERFACE

Brooktrout Fax and Voice (Bfv)

410 First Avenue  
Needham, MA 02494  
Phone: +1.781.449.4100  
Fax: +1.781.449.9009  
E-mail: info@cantata.com  
www.cantata.com

*Cantata Technology, established in 2006 as a result of the combination of Brooktrout Technology and Excel Switching Corporation, provides market-proven enabling technology that serves as the foundation for anytime, anywhere IP-based communications applications. Leveraging more than 20 years of experience, Cantata offers the broadest range of products, along with a worldwide network of partners that enables service provider and enterprise customers to develop new products, introduce new services and cost-effectively transition networks to IP. Cantata Technology maintains multiple locations worldwide in North America, Asia and Europe.*

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