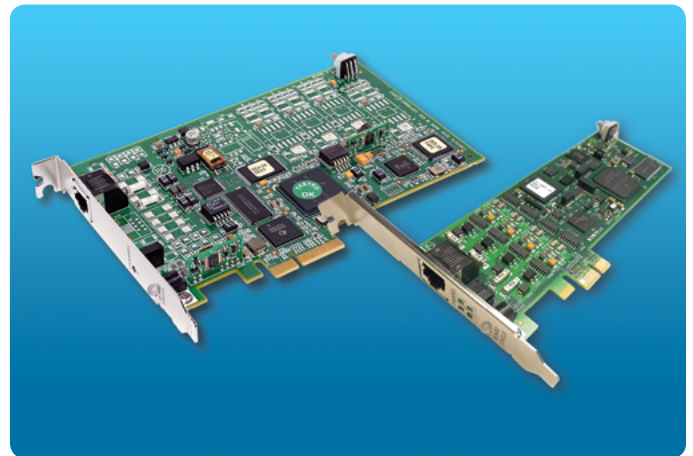# Dialogic® Brooktrout® TruFax® Fax Boards

The Dialogic® Brooktrout® TruFax® Fax Boards offer small businesses and departmental workgroups dependable network fax capabilities. These intelligent fax boards support a variety of applications, such as fax server and workflow fax, and offer enterprise-level quality and performance to small businesses.

Products Discussed in This Datasheet

- Dialogic® Brooktrout® TruFax® 200 Fax Board (Analog and BRI)
- Dialogic® Brooktrout® TruFax® 250 Fax Board (BRI)
- Dialogic® Brooktrout® TruFax® 400 Fax Board (BRI)
- Dialogic® Brooktrout® TruFax® 450 Fax Board (BRI)

Features	Benefits
Leverages advanced fax algorithms and provides dedicated fax-processing power	Offers performance and reliability benefits in comparison to Class 1 and Class 2 fax modems and multipurpose telephony adapters
Fax-only modulation to drop all non-T.30 packets	Eliminates possible security issues related to non-T.30 packets
Supports analog and BRI configurations	Allows use in networks around the world
Field-proven T.30 implementation	Helps to deliver faxes consistently and with high reliability
Up to four (4) Brooktrout Trufax Fax Boards can operate concurrently in a single server	Enables easy scalability to address an organization's growing communications needs
Error Correction Mode (ECM) in TruFax 250 BRI and TruFax 450 BRI models	Allows high first-attempt transmission rates in specific models
Modified Modified Read (MMR) compression algorithm in TruFax 250 BRI and TruFax 450 BRI models	Can reduce transmission time by up to 67% compared to other TruFax models

Dialogic® Brooktrout® TruFax® Fax Boards

Available in several configurations, Brooktrout TruFax Fax Boards provide up to four (4) channels per board for dedicated send-and-receive-channel configurations. If 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.

Table 1 lists the Brooktrout TruFax Fax Board models and some of their features. The BRI ISDN telephony interface can be used in Europe and Japan.

Models	Channels	Interface	Adaptive Call Progress	ECM	MMR
TruFax 200 Analog	2	Analog	x		
TruFax 200 BRI	2	BRI ISDN	x		
TruFax 250 BRI	2	BRI ISDN	x	x	x
TruFax 400 BRI	4	BRI ISDN	x		
TruFax 450 BRI	4	BRI ISDN	x	x	x

Table 1. Models and Features of Dialogic® Brooktrout® TruFax® Fax Boards

Technical Specifications

	TruFax 200 Analog	TruFax 200 BRI	TruFax 250 BRI	TruFax 400 BRI	TruFax 450 BRI
CPU	200 MHz				
DSP	One (61 MIPS)				
Network interface	Two(2) analog loop start	Single Euro BRI		Dual Euro BRI	
Media channels	2	2		4	
Signaling	FCC part 68 and TBR21	ISDN BRI, Euro, Japan			
Physical	Half-length 6.6 in. long x 4.376 in. wide Low-profile: 6.6 in. long x 2.53 in. wide	Half-length 6.6 in. long x 4.376 in. wide.			
Server bus	PCI half length: 33 MHz PCI 2.2 universal card (3.3/5 V signaling) PCIe half length: x4 PCIe low profile: x1 lane	PCI half length: 33 MHz PCI 2.2 universal card (3.3/5 V signaling) PCIe half length: x4			
Power	PCI half length: 5 W, both +3.3 V and 5 V power supply required PCIe half length: Two (2) Channels, 12 W PCIe low profile: Two (2) channels, 5.5 W	PCI half length: 5 W, both +3.3 V and 5 V power supply required PCIe half length: Two (2) Channels, 12 W			
System density	Up to four (4) boards per server Note: Dialogic® Brooktrout® TruFax Fax Boards are not compatible with Dialogic® Brooktrout® TR1034 Fax Boards within the same chassis.				
Environmental	Temperature: 0° to 50°C operational (product dependent) Humidity: 10% to 95% (non-condensing)				
Fax modulation	ITU T.30 Group 3 V.17, V.27, V.29 with auto fallback				
Image format compression	MH, MR		MH, MR, MMR	MH, MR	MH, MR, MMR
Page format	A4 with onboard image conversion				
Error Correction Mode (ECM)	no	no	yes	no	yes
Resolution	100 x 200, 200 x 200				
Format conversion "on-the-fly"	ASCII, TIFF-F call progress and call control				

Dialogic® Brooktrout® TruFax® Fax Boards

	TruFax 200 Analog	TruFax 200 BRI	TruFax 250 BRI	TruFax 400 BRI	TruFax 450 BRI
Dialing and call progress	• Onboard DTMF generation and detection • Adaptive (SIT detection included), pulse, and DTMF • Inbound fax routing capability • International call progress and tone detection • Programmable tone and cadence detection/generation • CED, CNG, v.21 modem detection • ANI/DNIS DTMF and MF detection				
Operating System Support	Windows, Linux, Solaris. Details are in the *Guide to Dialogic® System Software, Operating Systems, and Dialogic® Products*.				
Installation and Configuration	Windows Plug and Play				
Application Programming Interface	Dialogic® Brooktrout® Bfv API				
Environmental Compliance	http://www.dialogic.com/en/company/environmental-policy.aspx				
Estimated MTBF Per Telcordia Method 1	PCI: 741,750 hours (half-length) PCIe: 671,750 hours (half-length & low-profile)	PCI: 857,300 hours (half-length) PCIe: 815,600 hours (half-length)			
Hazardous Substances	http://www.dialogic.com/en/company/environmental-policy.aspx				
Warranty	http://www.dialogic.com/warranties				
Country Approvals	http://www.dialogic.com/declarations/default.htm				

Ordering Information

Please see the Ordering Information tab for this product.

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