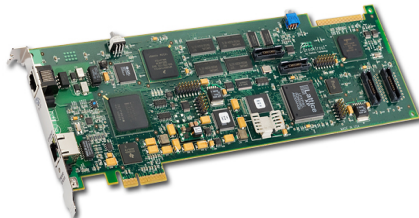


Dialogic Brooktrout TR1034

- High performance intelligent fax board.
- PSTN and IP based fax capability available.
- Support for VoIP networks.
- Supports all leading IP-PBX and gateway vendors including Avaya, Alcatel-Lucent, Cisco and Quintum.
- From 2 to 30 channels on a single board.
- PCI and PCI Express (PCIe) formats are available.
- Fastest possible call completion across all fax machines and line conditions.
- Cuts your transmission times by up to two thirds using the V.34 fax standard. This results in significant savings on long distance call charges.
- The TR1034 is fully scalable and offers a range of configurations to suit your exact requirements. Available in 2, 4, or 8 lines for analog channels or 2, 4, 8, 10, 16, 20 and 30 for ISDN channels.
- Protect your investment with dual support for PSTN and VoIP networks meaning your fax server will continue to use the same hardware after you implement a VoIP network.
- Your network security is ensured as the TR1034 uses T.30 and T.38 fax protocols which prevents any hackers gaining access to your network through the fax server unlike modems which present a real security issue.
- If you need more lines or channels it is a simple process of installing a software license key on your TR1034 E1 intelligent fax board.
- Next Day Replacement Warranty available.



Dialogic Brooktrout TR1034 Boards Can be purchased through:

Meridian Asia/Pacific Pty Ltd
PO Box 1286 Moss Vale NSW 2577 Australia
P: (+612) 4878 9520 F: (+612) 4878 9445
E: frankd@meridian.com.au
www.meridian.com.au



Technical Specifications for the TR1034

Hardware

T1/E1 Platform

- CPU: PCI: PowerPC 8240@200MHz; PCIe PowerPC 8247@300MHz
- DSPs: PCI: 6 T1 C549 (600 MIPS total); PCIe 1 TMS 320VC5441 (532 MIPS)
- Network interface: One T1/E1 interface(RJ48C), DSX-1 (requires CSU)
- Ethernet interface: 110/100 MB interface
- Signaling— ISDN PRI: N.A., Euro ISDN— T1 CAS: RBS E&M (wink and immediate)— E1 CAS: Configurable MFC R2 support— SIP (RFC 3261)— H.323 (version 4)
- Media channels: Up to 30 V.34 fax and voice
- Telephony Bus: PCI: ECTF H.100; MVIP-90, and SCbus (via bus adapter); PCIe ECTF H.100
- Physical: Full-size 4.2" (Height)x12.283" (Length)
- Server Bus: PCI 33 MHz PCI 2.2 (3.3/5v signaling); PCIe x4 lane PCIe 1.0a
- Power: PCI: 17W max; PCIe 8W

Analog Platform

- CPU: PowerPC 8241@200MHz
- DSPs: 2 TI C5402 (123 MIPS total)
- Media channels: Up to 8 V.34 fax and voice
- Telephone interface and signaling: RJ11, Loop Start; RJ45-to-(4)RJ11 interface cable supplied.
- Physical: Full-size 4.2" (Height)x12.283" (Length); Half-size 4.376" (Height)X 6.6" (Length)
- Server Bus:PCI Full-size: 33 MHz PCI 2.2 (3.3/5V signaling);PCIe: x4 lane PCIe 1.0a
- Power: 6W

BRI Platform

- CPU: PowerPC 8241 @ 200MHz
- DSP: TI C5402 (61 MIPS total)
- Media channels: Up to 4 V.34 fax and voice
- Network interface: 1or2 BRI
- Signaling: ISDN BRI, Euro, Japan
- Physical: half-size 33MHz PCI 2.2 Universalcard (3.3/5V signaling), 4.2" (Height)x6.875" (Length)
- Power: 5W

DID/Combo Platform

- CPU: PowerPC 8241 @ 200MHz
- DSP: TI C5402 (61 MIPS total)
- Media channels: Up to 4 V.34 fax and voice
 - DID is V.17 inbound and V.34 outbound
 - Loop start is V.34 inbound and V.34 outbound
- Telephony interface and signaling: RJ11 (RJ45 to RJ11 interface cable supplied)
- Physical: half-size 4.2" (Height)x6.600" (Length)
- Server Bus: PCI: 33 MHz PCI 2.2 (3.3/5v signaling); PCIe: x4 lane PCIe 1.0a
- Power: 15 watts

Environmental

- Operating temperature: 0°C –50°C
- Humidity: 10%–95% non- condensing

Fax

- ITU T.30; ITU T.38; Group 3
- V.17, V.23, V.29, V.27ter, V.21, V.34 modulation
- Up to 33.6Kbps with auto fallback
- Normal and fine resolution: 100x200, 200x200
- Additional Resolutions— 200x400, 300x300, 300x600, 400x800,400x400, 600x600, 600x1200, 1200x1200— 100x100, 300x300, 400x400, 600x600,1200x1200
- Color/Grayscale pass through
- MH, MR, MMR compression
- On-board image conversion
- A4, A3 and B4 page sizes with scaling
- A4 and B4 TIFF F file widths Enhanced ASCII conversion support with headers
- Image pass-through: Color fax T.42 (JPEG),JBIG T.85 (B/W), T.43 (color)
- Error Correction Mode (ECM)
- Line error detection/repeat good line

Voice Processing

- 64Kbps G.711 PCM μ -law and A-law PCM
- OKI ADPCM at 6KHz & 8KHz sample rates
- 11KHz 8/16 bit .WAV; 8KHz 16 bit .WAV
- DTMF/MF/Special Information Tone (SIT) detection
- Playback volume control, pitch corrected speed control
- Silence compression

Call Progress and Call Control

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

FoIP Interoperability

Cantata FoIP products interoperate with industry leading IP PBX and VoIP Gateways. [Click here](#) for the most updated list.

Operating System Support

- Windows 2000 Professional Service Pack 4
- Windows 2000 Server, Service Pack 4
- Windows 2000 Advanced Server, Service Pack 4
- Windows XP Professional, Service Pack 2
- Windows Server 2003, Standard Server Edition
- Windows Server 2003, Server Edition, 64-bit version, Service Pack 1
- Windows Server 2003, Enterprise Edition, 32-bit version, Service Pack 1
- Redhat Linux Advanced Server 3.0 & 4.0
- Solaris SPARC 9 and 10 (32 and 64-bit for both versions)

Installation and Configuration

- Windows Plug and Play Compliant
- Windows Graphical Configuration Tool

Application Programming Interface

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(RoHS).

Warranty

Five year hardware warranty. Separate warranty terms apply to software products and custom products. Extend the standard warranty with the Meridian next day delivery of a replacement fax board. (*subject to certain terms and conditions)

Models/Configurations

Analog Interfaces – PCI (Standard PSTN phone line)

- TR1034 2 channel fax board (TR103402AP)
- TR1034 4 channel fax board (TR103404AP)
- TR1034 8 channel fax board (TR103408AP)

Analog Interfaces - PCIe (Standard PSTN phone line)

- TR1034 2 channel fax board (TR103402AE)
- TR1034 4 channel fax board (TR103404AE)
- TR1034 8 channel fax board (TR103408AE)

BRI Interfaces - PCI (Telstra OnRamp or similar BRI digital service)

- TR1034 2 channel fax board (TR103402BP)
- TR1034 4 channel fax board (TR103404BP)

BRI Interfaces – PCIe (Telstra OnRamp or similar BRI digital service)

- TR1034 2 channel fax board (TR103402BE)
- TR1034 4 channel fax board (TR103404BE)

E1 Interfaces – PCI (Primary Rate ISDN service)

- TR1034 4 channel fax board (TR103404EP)
- TR1034 8 channel fax board (TR103408EP)
- TR1034 10 channel fax board (TR103410EP)
- TR1034 16 channel fax board (TR103416EP)
- TR1034 20 channel fax board (TR103420EP)
- TR1034 30 channel fax board (TR103430EP)

E1 Interfaces – PCIe (Primary Rate ISDN service)

- TR1034 4 channel fax board (TR103404EE)
- TR1034 8 channel fax board (TR103408EE)
- TR1034 10 channel fax board (TR103410EE)
- TR1034 16 channel fax board (TR103416EE)
- TR1034 20 channel fax board (TR103420EE)
- TR1034 30 channel fax board (TR103430EE)