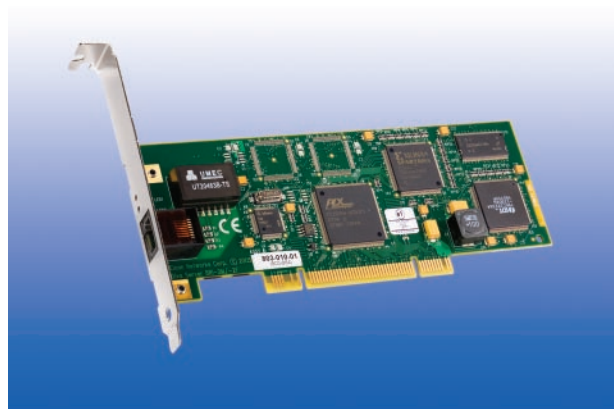


The Dialogic® Diva® BRI-CTI Media Board provides one ISDN Basic Rate Interface (ISDN BRI) port and can serve as an entry-level communication platform, which can scale from 2 to 16 channels (phone lines) per server.

The Diva BRI-CTI offers voice and speech features and can serve as a base for an entry-level communication application. It supports standard applications and is also suitable for new application development. The Diva BRI-CTI is a Low Profile form factor PCI board, and can be combined with other Dialogic® Diva® Media Boards, such as those supporting analog, E1/T1, ISDN PRI, and VoIP interfaces.



The Diva BRI-CTI supports the same set of programming interfaces as other Diva Media Boards: the three Dialogic® Diva® APIs, CAPI, TAPI, COM port, WAN Miniport, TTY, Asterisk, and SIP/RTP. Because of this consistent support, an entry-level communications application written for another Diva board will normally work without modifications with the Diva BRI-CTI.

Features	Benefits
Onboard CPU with RAM and FPGA chip for fast data streaming between the host CPU, the phone line, and the other active components onboard	Can remove performance bottlenecks by offloading key real-time tasks that would ordinarily place an excessive burden on the host server
Sophisticated hardware design	Operates with low power consumption
Conforms to plug-and-play standards	Permits easy installation and operation
Implements most supplementary services, many signaling protocols, as well as all multinational ISDN protocols	Allows application compatibility with major PBXs and can make a system based on Dialogic® Diva® technology ready for worldwide use
Supports the same programming interfaces as other Dialogic® Diva® Media Boards, including CAPI, TAPI, Dialogic® Diva® APIs, and others	Reduces porting efforts and time to market by making Diva Media Boards compatible with most standard telephony and communications applications
Up to eight Diva Media Boards of the same or different types can operate concurrently in a single server	Easy scalability and flexibility

The Diva BRI-CTI supports voice Rx/Tx, DTMF tone detection/generation, and some modem protocols. If more features are required, the Dialogic® Diva® UM-BRI-2 Media Board or the Dialogic® Diva® BRI-2 Media Board are alternatives for the Diva BRI-CTI.

Technical Specifications

Quick Reference

Voice resources	2
Fax resources	0
Conferencing resources	0
Maximum boards/system	8 (tested by Dialogic); more than 8 are possible — depends on the application
CSP	Yes
Form factor	Low Profile
Resource bus	PCI rev 2.2 up to 66 MHz
Connection	1 RJ-45 connector
Network interface	ISDN BRI (Basic Rate Interface) in TE and NT Mode
Signaling	ETSI, NI-1, 4ESS, 5ESS, and all major ISDN protocols; QSIG and many more
Operating system	Windows® and Linux. Details at http://www.dialogic.com/systemreleases
Volts	5
Required accessories	None

Hardware

- 32-bit RISC CPU, 133 MHz, 131 MIPS
- No DSP
- Onboard SDRAM Memory: 8 MB
- Telephony interface:
 - 1 x RJ-45, RJ-45/RJ-45 cable supplied
- Physical dimensions:
 - 167.65 mm x 64.41 mm (PCB)
 - 181.36 mm x 80.06 mm (with low profile bracket)
 - 180.96 mm x 120.88 mm (with standard bracket)
- High-impedance mode for passive monitoring
- I/O addresses, memory, and interrupt allocated automatically
- Plug-and-play interface
- PCI 2.2, 33 MHz, 32 bit (also supports 64 bit dual address cycle DMA), 5 V supply required, 3.3 V, or 5 V universal signalling, supported in backwards compatible PCI-X slots
- Production quality: ISO 9002

Technical Specifications *(continued)*

Power Consumption and Environmental

- Power consumption: 0.3A @ +5 V (typical)
- Operating temperature: 10°C to 50°C
- Storage temperature: 0°C to 70°C
- Maximum tolerance in voltage fluctuation: According to the respective PCI specification

Dialogic® Diva® System Release Software and Dialogic® Diva® SDK Software

- Supported operating systems: Windows® and Linux. Details at <http://www.dialogic.com/systemreleases>
- M-adapter feature (patent pending): Combined Virtual Adapter, Explicit Call Transfer Emulation
- SNMP support:
 - Windows®: v2c
 - Linux: Net-SNMP v1, v2c, and v3
- Application interfaces (provided by Dialogic Diva System Release and Dialogic Diva SDK):
 - Microsoft®: Diva API, Diva API for .NET, Diva Component API (VB.NET), COM Port, WAN Miniport, TAPI, CAPI 2.0, extended CAPI, VoIP (SIP/RTP)
 - Linux: Diva API, TTY, CAPI 2.0, extended CAPI, VoIP (SIP/RTP)

Features — Signaling

- DSS1 (Euro-ISDN), NI-1 (North America National ISDN 1), 5ESS (North America), 1TR6 (Germany), INS Net 64 (Japan), VN3 (France), CT1 (Belgium), QSIG
- ISDN supplementary services:
 - Number identification services (CLIP, CLIR, COLP, COLR, KEY, MSN, DDI, SUB)
 - Call offering services (TP, CFU, CFB, CFNR)
 - Call completion services (CW, HOLD, ECT)
 - Charging services (AoC)

Features — Media Processing

- Voice and speech:
 - G.711 coding (A-law, μ -law selectable)
 - DTMF detection and generation
- Data modem (Remote Access and other modem applications):
 - B-channel protocols: Transparent HDLC, Transparent Voice, Synchronous PPP and MLPPP, X.75 (LAPB), LAPD, T.90NL, T.70NL, X.25, X.31, Rate adaption (56 kbps), SDLC, V.110, V.120

Safety and EMC

Canada: ICES-003 Class B, CSA 60950-1

Europe: EN60950-1, EN55022, EN55024

United States: FCC Part 15 Class B, UL60950-1

Technical Specifications *(continued)*

Telecommunications

United States: TIA-968

Canada: CS03

Approvals, Compliance, and Warranty

Hazardous substances: RoHS compliance information at <http://www.dialogic.com/rohs>

Country-specific approvals: Global product approvals at <http://www.dialogic.com/declarations>

Warranty: Warranty information at <http://www.dialogic.com/warranties>

Ordering Information

Dialogic® Diva® Product	Order Code
BRI-CTI PCI (with additional LP bracket)	306-368

www.dialogic.com

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