PBXMEDIA. DAC BRI

Digital BRI Station Tap Card

Features

Digital Passive Tap

On-board Diagnostic

Firmware Upgradeable

Accurate Start/Stop

Synchronization LED

Operating System Independent

On-board VOX Algorithm

Record both "B" channels
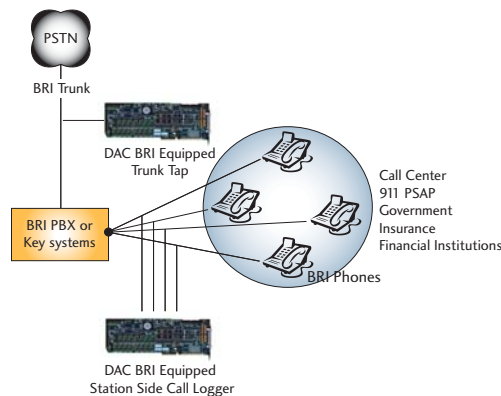
OS Independent

PBX Media DAC BRI 8

Overview

The DAC BRI series card provides digital recording capabilities for worldwide ISDN BRI circuits. By providing a high impedance tap, the DAC BRI 4/8 card has the ability to record both directions of a conversation in a digital format. Designed as an ISA card, and modeled after our industry standard DAC16, it allows call recording developers to easily expand the reach of their call recording solutions with very little effort.

The DAC BRI is a unique PBX integration card for the call recording industry that provides features that were never available before. Accurate Start/ Stop call recording can finally be accomplished.

The DAC BRI, operating independently of the PBX, offers developers the functionality to track a call from inception to completion, including the actions call center agent makes on the telephone. This detailed information is invaluable to data mining applications and call center managers.

PSTN

BRI Trunk

DAC BRI Equipped
Trunk Tap

BRI PBX or
Key systems

Call Center
911 PSAP
Government
Insurance
Financial Institutions

BRI Phones

DAC BRI Equipped
Station Side Call Logger

DAC BRIs typically connect to PBXs through a punch-down block at the main distribution frame. The PBX routes calls to to a digital station while the DAC BRI passively taps the line to that station. The DAC BRI can process the data being passed over the line by itself or by handing off the data by MVIP to a separate voice resource card like Ai-logix's SmartDSP VR.

Product	Part Number
DAC BRI 8:	910-0406-001

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Product Specifications *All product specifications are subject to change without notice*

Hardware System Requirements
Pentium II or equivalent 400 MHz or better
AT ISA 16-bit full-size slot

Operating systems
OS Independent

Technical Specifications

Max boards per system:	8 (128 ports)
TDM Expansion Bus:	MVIP/SCSA (PCM32 Optional)
Timeslots	16 Active per card
Boards Status:	On-board LED
Clocking:	Master/Slave

Environmental Conditions

Operating Temperature:	0C to +50C
Storage Temperature:	-20C to +70C
Humidity:	8% to 80% non-condensing

Physical Characteristics

Form Factor:	Full-size ISA card

Host Interface

I/O Address	COM1 to COM 15
IRQ	3, 4, 5, 7, 10, 11, 12, 15

Available Options
MVIP/SCSA

Protocols

4 Wire BRI S/T	National ISDN NI-1
4 Wire BRI S/T	5ESS
4 Wire BRI S/T	DMS-100
4 Wire BRI S/T	INS-64
4 Wire BRI S/T	Euro-ISDN (ETSI)

(B1+B2 supported for all protocols)

PBX Integrations

Avaya	Merlin Magix (BRI)
Rockwell	Spectrum

Telephony Interface

External Connector	68-pin female SCSI III style (RJ-21 X adapter included)
Line Impedance: passive tap	1k Ohms @ 256KHz, Nominal
Idle channel noise:	Less then 20dBrnc
Channel Crosstalk:	Less then -70 dB @ 1 KHz
Frequency response:	300Hz to 3400Hz +/-3dB

SDK (For D-Channel Support)
Ai-Logix Native MTDACLINK

Audio Digitizing

Encoding:	µ–Law and A–Law

Power Requirements

+5 VDC:	600 mA
-5 VDC:	50 mA

Trigger Conditions

VOX trigger	Min/Max silence · Min/Max activity

Safety and Certifications

Telecom:	CE mark
Emissions:	FCC Part 15 class A · EN 55022 50081-1
Immunity:	EN 50082-2
Safety:	ACA ts001-1997

All certifications Pending

Estimated MTBF:	330,000 hours per Bellcore Method I

Warranty:
3 years standard

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