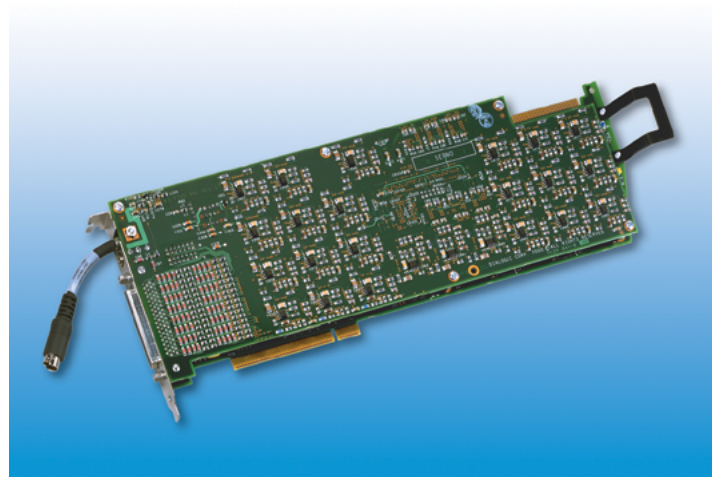


Diallogic® Station Interface Boards

The Diallogic® DISI32 Switching Board is a next-generation building block for converged communications systems. This board is a single-slot PCI solution that connects analog telephone devices directly to converged communications platforms to create affordable, small- to mid-size, server-based Private Branch Exchanges (PBXs), telemarketing systems, and call centers. This product is highly reliable and cost effective, offering an optimized mix of analog station interfaces and resources on which to build highly scalable systems.



Features

Single-slot PCI solution

Conferencing resources

Enhanced conferencing features

Frequency Shift Keying (FSK) station signaling

Off-hook FSK signaling

Available with Universal PCI edge connector

Benefits

Can connect up to 32 analog telephone devices directly to converged communications platforms

Supports up to 16 conferees in flexible configurations of 2 to 16 parties per conference

Includes coach-pupil mode, volume controls, and active-talker identification

Enables Caller ID delivery and message-waiting-indicator control

Allows messaging implementations to Caller ID Type 2 devices, such as Caller ID or Call Waiting

Universal PCI form factor compatible with 3.3 V and 5.0 V bus signals enabling deployment in a wide variety of PCI chassis from popular manufacturers.



DISI32 is a full-size, single-slot PCI board, which is based on DM3 architecture. It provides connectivity for up to 32 station interfaces and includes conferencing, voice play/record, tone detection and generation, and Caller ID capabilities. DM3 architecture allows access to independent, high-performance, firmware-based network protocol and media processing resources that can be operated and integrated on compatible hardware platforms.

Technical Specifications

Maximum boards per system	8
Analog station interfaces	32
Fixed voice resources	32
Sharable conference resources	16
CLASS signaling	Frequency Shift Keying (FSK)
CT Bus loads per board	1
Maximum CT Bus loads per system	20
Resource sharing bus	CT Bus/H.100
Control microprocessor	ARM7 TDMI
Digital signal processor	Freescale DSP56303 @ 100 MHz, with 128Kx24 private
Supported operating systems	Windows; Linux. Details at http://www.dialogic.com/systemreleases

Host Interface — PCI

Bus compatibility	Complies with PCI-SIG Bus Specification, Rev. 2.2
Bus speed	33 MHz
Bus mode	32- to 16-bit conversion in target mode
Shared memory	128 KB page
Interrupt level	1 IRQ
I/O ports	None

Platform — PCI

Form factor	PCI long card 12.3 in. (31.24 cm) long (without edge retainer) or 13.3 in. (33.78 cm) long (with edge retainer) 0.79 in. (2 cm) wide (total envelope) 3.87 in. (9.83 cm) high (excluding edge connector)
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Power Requirements — from Host PCI Slot

+5 VDC	3.5 A max.
+12 VDC	5 mA max.
-12 VDC	20 mA max.

Environmental

Operating temperature	+32°F (0°C) to +104°F (+40°C)
Storage temperature	-4°F (-20°C) to +158°F (+70°C)
Humidity	8% to 80% non-condensing

Cooling Conditions for Maximum Operating Temperatures

+122°F (+50°C)	1.8 CFM per board
+104°F (+40°C)	1.2 CFM per board
+86°F (+30°C)	.9 CFM per board

Station Interface

Signaling type	Loop start originate
Loop current range	25 ± 5 mA
Open loop voltage	20.5 ± 1 VDC
External power supply	1 required per board
Ring frequency	20 Hz
Ring amplitude	40 Vrms @ 20 Hz minimum into 4 REN
2-wire return loss	25 dB
Connectors	68-pin SCSI to RJ-11 breakout box
Maximum loop length	3500 ft (1050 m) using 24 AWG

Dialogic® Analog Station Interface Usage WARNING

This Dialogic analog station interface product is designed to support analog station equipment only within the walls of a single standalone building or structure (i.e., on-premise). It is not designed to sustain electrical overstress from external sources and factors such as severe weather conditions. Electrical overstress can be introduced on cables extending outside of the walls of a single standalone building or structure (i.e., off-premise) such as in a campus environment or other multi-building facility. Severe electrical overstress caused by misuse of this interface product with cables extending outside of the walls of a single standalone building or structure could cause property damage and/or personal injury and/or death. Such misuse voids the warranty for this interface product.

Audio Input Interface

Input impedance	1000 Ohms, AC coupled
Maximum input level	600 mVpp
Connector	1/8-in. (.31 cm) mini-phone jack

Conferencing

Conference resources	16
Conference size	2 to 16 conferees
Number of conferences	Up to 5
Features	Automatic gain control Dynamic create/destroy Dynamic add/delete Echo cancellation Coach/pupil mode DTMF volume control Tone clamping Active talker notification

Approvals, Compliance and Warranty

Environmental Information	http://www.dialogic.com/en/company/environmental-policy.aspx
Country-specific safety and telecom approvals	http://www.dialogic.com/en/products/others/declarations.aspx
Warranty information	http://www.dialogic.com/en/warranties.aspx

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