

Dialogic® HDSI/480, HDSI/720, HDSI/960, and HDSI/1200 Station Interface Boards



Dialogic® HDSI/480, HDSI/720, HDSI/960, and HDSI/1200 station interface boards can be used in open-architecture platforms that integrate large-scale switching and voice processing resources under a single hardware and software architecture. This high-density station interface (HDSI) solution is offered in both PCI and Compact PCI® configurations, which provide the industry's highest density analog station connectivity in a single computer chassis slot.

The HDSI products consist of either a PCI board with H.100 compliant CT Bus connectivity, or a CompactPCI board assembly (including a CompactPCI baseboard and a rear I/O module) with H.110 compliant CT Bus connectivity, connected to a Station Interface Box (SIB). The CT Bus provides switching between trunks and stations and also allows expansion for additional Dialogic network and resource boards. Utilizing just one computer chassis slot, this HDSI solution can support up to 120 stations with tone detection and generation, and FSK Caller ID transmission.

Each HDSI station interface connects an application-selectable time slot on the CT Bus to an analog station device. The RJ-21X telephone interface on the SIB enables easy connections to breakout boxes or punchdown blocks. For standard RJ-11 jack connections, Dialogic offers an optional SA/240 station adapter and a 50-pin cable.

Features	Benefits
Programmable ringing with automatic ring trip	Requires no additional external circuitry for 20 Hz, 25 Hz, 30 Hz, and 50 Hz ring frequencies
Station status event detection	Allows collection of call traffic statistics via the application for cost-effective management of call setup and call termination
Programmable gain	Provides station volume control from the application and enables matching line levels from different devices
Onboard FSK generation	Allows the transmission of Caller ID to CLASS, CLIP, and J-CLIP-type Caller ID phones, as well as the ability to activate and deactivate message waiting indicators
Onboard DTMF detection	Recognizes tones generated by phones connected to the stations

Technical Specifications

Voice resources	Up to 96
Network resources	0
Conferencing resources	0
CSP	No
Form factor	PCIU; CompactPCI
Resource bus	CT Bus
Connection	RJ-21X
Network interface	None
Signaling	Analog loop start
Operating system	Linux; Windows. Details at http://www.dialogic.com/systemreleases
Volts	3.3, 5
Required accessories	SA240MSIGLOBAL

Safety and EMC

Canada	ICES-003 Class A CSA 950 ULc Listed File E96804
Europe	EN60950 EN55022 EN55024
Japan	VCCI Class A
United States	FCC Part 15 Class A UL 1950 UL Listed File E96804
International	IEC950 CISPR 22 CISPR 24

Telecommunications

United States	EBZUSA-33951-CE-T
Canada	IC:885 10020 X

Approvals, Compliance, and Warranty

Hazardous substances	RoHS compliance information at http://www.dialogic.com/rohs
Country-specific approvals	See the global product approvals database at http://www.dialogic.com/declarations
Warranty	See warranty information at http://www.dialogic.com/warranties

For more details, go to www.dialogic.com

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