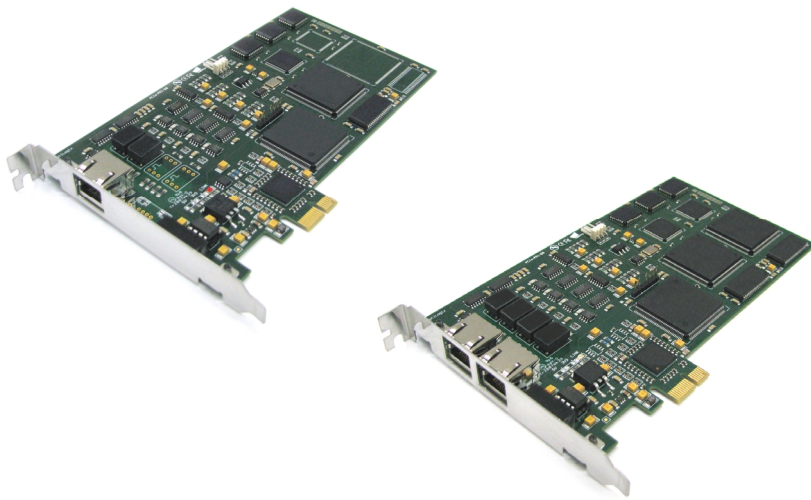


HyperXpress series PCI-E Voice Recording Boards



PCI Express

The OptiLogix **HyperXpress** OEM Voice Recording boards provide powerful features for building advanced Digital Voice Recorders.

Each card occupies a single PCI Express slot and combines a compact form factor with very low power consumption resulting in unmatched reliability.

On-board DSPs and large streaming buffers impose very little demand on system and application resources.

D-channel signalling supports Call Setup, Connect, Clear, DDI number and CLI number decoding.

Supports all major ISDN variants, Q.SIG, DASS-2 and DPNSS.

Simultaneous recording on all channels of both upstream and downstream sides of a conversation.

Features and Benefits

High density half size low profile PCI Express card

Non intrusive and undetectable high impedance passive monitoring

Dialled number and Caller ID signalling support

Fractional, 30 channel and 60 channel PRI-ISDN / E1 models

Digital Signal Processors for voice streaming and on-board D-channel protocol processing

Protocol support for all major ISDN variants, Q.SIG and DASS-2.

Accurate DigitalVox start/stop triggering for non-protocol PCM applications

Based on the OptiLogix V32 DSP architecture for unmatched performance and reliability

Uses the OptiLogix generic API and driver. Supports Win-NT, Win-2000, Win-XP, Win-2003 and Vista

Supports 64kbit/s A-law and high quality compressed 36kbit/s speech encoding

CE, FCC and RoHS compliance

Board models

30 channel PRI / E1: HX-PRI-30

60 channel PRI / E1: HX-PRI-60

Technical Specifications

Mechanical characteristics:	Half-size low-profile PCI Express card
Operating temperature:	0 °C to +60°C
Humidity:	5% to 80% non-condensing
Maximum power requirements:	+3,3Vdc (300 mA), +12Vdc (150 mA)
Operating systems:	Win-NT, Win-2000, Win-XP, Win-2003 and Vista
Boards per system:	Mix of 12 boards or 720 ports total

Interface Specifications

Primary Rate interface:	E1 (2.048Mbit/s)
AC impedance:	1100 Ω
Maximum tap length:	10 m (unterminated), 100 m (terminated)
Protocols:	All major ISDN variants, Q.SIG, DASS-2, DPNSS

Audio Processing

Voice and Silence detection:	Programmable from OptiLogix API
Upstream and downstream audio gain:	Programmable from OptiLogix API
Frequency response:	300-3400Hz (all compression modes)
Speech encoding/compression:	64kbit/s A-law (G.711), 36kbit/s proprietary encoding

Safety and EMI Certifications

Safety, emissions, immunity:	EN 60950, EN 55022, EN 55024
Estimated MTBF:	600.000 hours
Warranty:	3 years

The OptiLogix policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication