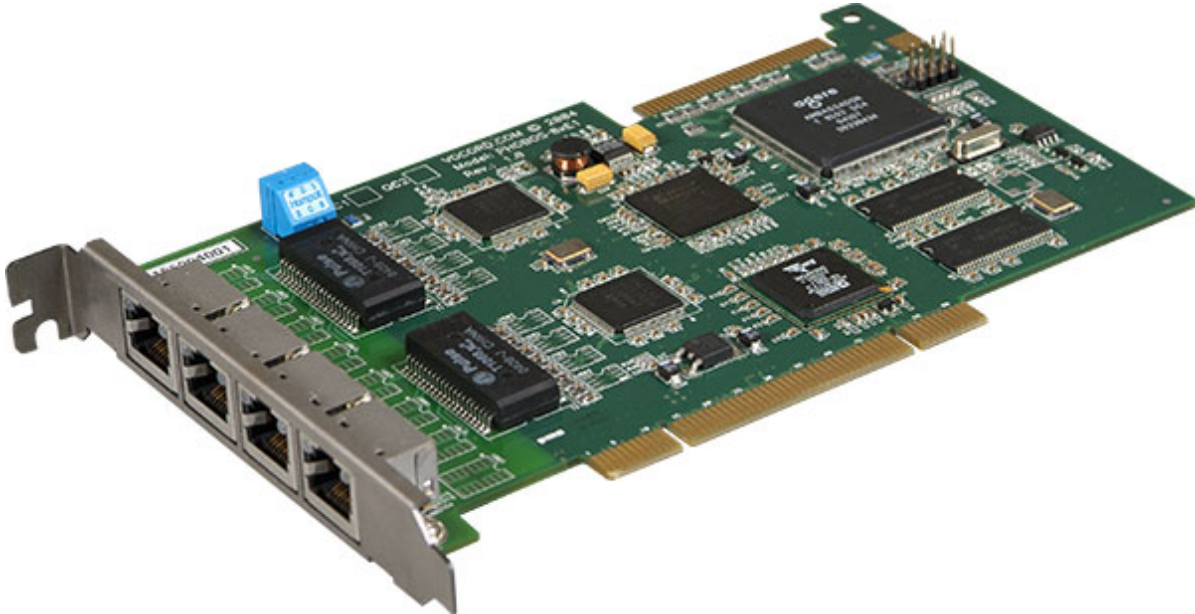


VOCORD 4E1

4/8-Channel Board Designed to Work with E1/T1 Trunks



Applications

- Telephone line recording and monitoring;
- Computer Telephony Integration;
- Multi-channel messaging systems;
- Frame Relay Virtual Private Networks;
- Signalling hardware platform;
- Telephone and data network multiplexing/demultiplexing

Description

This board is designed to work with E1/T1 trunks. It works in a Windows 2000/XP/2003 or Linux PC.

VOCORD 4E1 does signal coding/decoding and processing. It can be used in 2 main modes of operation:

- Low-impedance (line termination, port G.703) with the number of channels 1, 2, 3, 4, 5, 6, 7 or 8 per board;
- High-impedance (monitoring) with the number of channels 1, 2, 3 or 4 per board.

Technical Specifications

Parameter	Value
Signal source	E1 trunk, symmetrical input 120 Ohm
E1/T1 Channel number (G.703 termination)	1, 2, 3, 4, 5, 6, 7, 8
E1/T1 Channel number (Monitoring)	1, 2, 3, 4
PC interface	PCI 2.3 33 MHz/32 bit
TDM interface	ECTF H.100
On-board processing resources	1 DSP 300/350 MHz, 48 KBytes Cache/SRAM, 256 KBytes L2 SRAM, 4 KBytes Scratch SRAM
Form factor	PCI Half-Size, 106x174 mm
Galvanic insulation between E1 inputs	> 1000 V
External interface	
Input signal	G.703, 2.048 MHz
Input impedance	120 Ohm
Connector	4 x RJ-45 UTP/FTP
DSP functionality	

DTMF detection	240 (with HDLC off)
MFC R1/R2 channel detection	240 (with HDLC off)
HDLC detection channels	254 x DS0 (16.256 Mbps) (with DTMF, MFC off)
Audio recording channels (forward and reverse B-channel in stereo mode)	120 (with HDLC or MFC on)
Ater channel recording	1020 x 16 Kbps
Additional functionality	
LED G.703 channel status	Sync status, Carrier status
Power supply	
+3 VDC	< 3 A
+5 VDC, +12 VDC, -12 VDC	Not used
Environmental parameters	
Operation requirements	0 to +60° , 10 to 80% humidity without condensation
Storage requirements	0 to +60° , 10 to 80% humidity without condensation