

VoiceLink E1 - 1/2/4/6/8

High-Density E1 Digital Telephony Card (Support TAPI & IVR II 4.0.0)



VOICE



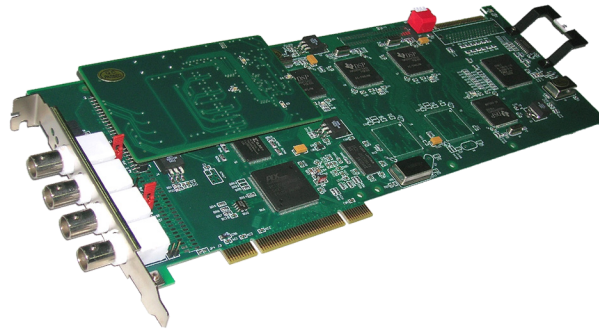
FAX



VoIP



TAPI



Features

- PCI high-density E1 card, with up to 8 E1 on single card and 8 cards per system. Suitable for carrier class Applications. (CompactPCI models available, contact CallURL Inc. for details)
- TAPI driver to extend existing TAPI based application, running smoothly for large number of channels
- Compatible in Contax IVR II 4.0.0, all call flow can be seamlessly migrated to large system applications
- Configure multiple boards in a single PC for easy and cost-effective system expansion, capable of scaling from 30 to 1920 ports. (Use very LOW PC CPU power, due to task offloaded to multiple DSP's)
- Up to 2.9 GIPS digital signal processing power support, Caller ID detection, FAX, FSK SM, Conference etc.
- Full duplex voice channels for VoIP gateway applications
- Bundled with TAPI and wave drivers for Windows 2000, 2003, Windows XP and Windows Vista
- Shipped with EasyTAPI 4.0.0 CD for simple driver installation and verification
- Conference and channel switch features can be realized with Extension of Contax IVR II 4.0.0
- Flexible parameter tuning for Media (Voice, DTMF, CPSignal, FAX, Half-duplex FSK message) via setting tool

Applications

- Interactive Voice Response (IVR)
- Automatic Call Distribution (ACD)
- Unified Messaging System (UMS)
- Unified Communication (UC) and Teleconferencing
- TAPI-compliant AA, VM and Recording applications (Many available, consult your dealers for details)
- Voice and Fax applications Development

Technical Description

Configuration

VoiceLink E1 card provides E1 telephone interface for direct connection to matching systems. Protocol support includes E1 / PRI, SS1 & SS7. Up to 8 VoiceLink cards can be installed in PCI slots of a single PC chassis enabling port expansion up to 1920 ports per system.

Network Interface

VoiceLink supports CEPT E1 interface, based on user's configuration, it will perform as parameters programmed. Standard H.100 style connector iprovides telephony bus connections. Software selectable local digital loopback plus remote testing utility allows fast troubleshooting and issue isolation.

Open Architecture

The VoiceLink E1 cards share a common driver architecture with other CallURL Talk Voice boards, this offered users and developers with the maximum in flexibility and scalability. All VoiceLink / Talk Voice products support standard TAPI and wave drivers for Windows 2000, 2003 and Windows XP (Home or Pro. editions)

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Technical Specifications

General

- .. Number of ports: 30 (each E1)
- .. Number of E1s: up to 8 per board
- .. Max. boards per system: 8
- .. Digital signal processor: TI TMS 320 54 & 62 series cps

Host Interface

- .. Electrical: Rev. 2.2 of PCI bus specification
- .. Bus speed: 33 MHz maximum
- .. Shared memory: 512 KB dual port static memory
- .. Address and interrupts configured automatically by PnP BIOS or PnP OS
- .. Board ID: DIP switch to uniquely identify each board

Telephone Interface

- .. Line interface: CEPT E1 (BNC for 75 Ohm lines)
- .. Connectors: Adaptor to RJ-48C for 120 Ohm lines
- .. Support SS1, SS7 & DSS1 on per E1 basis. (Mix of different protocol for different E1 is allowed)
- .. Support Caller ID, FLASH, ROUTER, Conference and FAX, FSK Messaging etc.

Audio Signal and Conference

- .. Maximum parties per conference: 128 (2 to 127 groups)
- .. Automatic gain control (AGC) or programmable
- .. Maximum 3 X 128 conferences per system
- .. For high quality conference, conference resource needs to be estimated before constructing system.

Audio Encoding

- .. Sample rate: 8KHz
- .. 32 Kbps OKI ADPCM
- .. 64 Kbps μ -law PCM
- .. 64 Kbps windows 8 / 16-bit PCM

DTMF Tone Detection

- .. DTMF digits: 0 to 9, *, #, A, B, C & D
- .. Dynamic range: -60 dBm to 0 dBm per tone (default -3)
- .. Tone duration: 80 ms (1 - 65535 range)
- .. DTMF Break: 50 ms (1 - 65535 range)

Tone Dialing

- .. Transmit level: normal at -6.0dBm (high), -8.0dBm (low), parameters programmable
- .. Frequency variation: < 1%

Bundled Drivers and Software

- .. Bundled with TAPI and wave drivers for Windows 2000, 2003, Windows XP and Windows Vista

Software Compatibility

- .. Microsoft TAPI and wave driver compliant applications

Power Requirements

- .. +5V @1.0A
- .. +12V @200mA
- .. -12V @200mA

Size

- .. 315mm (L) x 118mm (H); 12.40" (L) x 4.64" (H)

Certification

- .. Telephone network: FCC Part 68
- .. EMI: FCC Part 15, Class B
- .. BSMI / TAIWAN

Environment

- .. Operating temperature: 0 ° to 50 ° C (32° to 122° F)
- .. Storage temperature: -20 ° to 65 ° C (4° to 149° F)
- .. Humidity: 10 to 80%, non-condensing

Ordering Information

VoiceLink E1 - 1 + IVR II

1X E1 PCI bus digital telephony board, with IVR II 4.0.0

VoiceLink E1 - 1 / 2

1 or 2 E1 PCI bus digital telephony board with TAPI

VoiceLink E1 - 2 + IVR II

2X E1 PCI bus digital telephony board, with IVR II 4.0.0

VoiceLink E1 - 4 + IVR II

4X E1 PCI bus digital telephony board, with IVR II 4.0.0

VoiceLink E1 - 6/8 + IVR II

6 or 8 E1 PCI bus digital telephony board, with IVR II 4.0.0