

VoiceLink 8LVF- 4/8

8-Port (TAPI) Analog Voice Board - with Shared 4X FAX channels



VOICE



FAX



VoIP



TAPI



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Features

- Eight independent voice processing ports supporting low-to medium-density voice systems in a single PC (PCI Bus)
- With MVIP-BUS connector, multiple 8LVF can be linked to share FAX resources
- A-law voice coding with selectable data rates 32 Kb/s or 64 Kb/s on a channel-by-channel basis
- Configure multiple boards in a single PC for easy and cost-effective system expansion, capable of scaling from 8 to 40 ports (FAX resources from 4 to 40)
- Caller ID detection, supports FSK as well as DTMF
- Full duplex voice channels for VoIP applications (Rev. B1 or after with Proper Drivers)
- Bundled with TAPI and wave drivers for Windows 2000, 2003 and Windows XP
- Shipped with EasyTAPI 3.0.0 CD for simple driver installation and maximum PC compatibility
- Support LC Drop / Polarity Reversal detection
- Detailed call progress setting (With Setting Option in TSP)

Applications

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

Technical Description

Configuration

The VoiceLink 8LVF provides eight telephone line interface circuits for direct connection to analog loop start lines. Up to 5 VoiceLink boards can be installed in PCI slots of a single PC chassis enabling port expansion up to 40 ports per system.

Network Interface

The VoiceLink 8LVF supports powerful call progress analysis, provides parameters programmable for country-specific regulation, enhanced DTMF detection & cut-through, plus PABX-specific tone detections. Quality voice can be recorded in ADPCM, PCM or WAV formats.

Open Architecture

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

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8-Port (TAPI) Analog Voice Board - with Shared FAX channels

Technical Specifications

General

- .. Number of ports: 8
- .. Number of FAXs: 4 (or 8 for -8 model)
- .. Max. boards per system: 5
- .. Digital signal processor: TI TMS 320VC5402 @100 MIPS

Host Interface

- .. Electrical: Rev. 2.2 of PCI bus specification
- .. Bus speed: 33 MHz maximum
- .. Shared memory: 256 KB dual port static memory
- .. Address and interrupts configured automatically by PnP BIOS or PnP OS
- .. Board ID: Assigned automatically by system

Telephone Interface

- .. Line interface: Loop-start
- .. Connectors: Two RJ-14 jacks
- .. Return loss: 20 dB min (300 to 3300 Hz at 600 Ohms impedance)
- .. Caller ID: International Caller ID capability via on-hook audio path

Audio Signal and Interface

- .. Audio I/O jacks: Optional not available in standard model
- .. Automatic gain control (AGC)
- .. Silence detection: programmable (nominal: -44 dBm)
- .. Call progress monitoring: standard and custom frequency based

Audio Encoding

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

DTMF Tone Detection

- .. DTMF digits: 0 to 9, *, #, A, B, C & D
- .. Dynamic range: -36 dBm to -3 dBm per tone
- .. Tone duration: 40 ms (minimum)
- .. Acceptable twist: 10 dB

Tone Dialing

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

Facsimile Specifications

- .. Group 3 class 1 class 2 standards
- .. Support multiple FAX at the same time
- .. Data Rate : TX & RX @14,400 bps

Bundled Drivers and Software

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

Software Compatibility

- .. Microsoft TAPI and wave driver compliant applications

Power Requirements

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

Size

- .. 215mm (L) x 107mm (H); 12.283" (L) x 4.2" (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 8LVF - 4

8-port PCI bus analog voice board, with 4 FAX & TAPI driver

VoiceLink 8LVF - 8

8-port PCI bus analog voice board, with 8 FAX & TAPI driver

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