Talk Voice 2/4LV+

2- and 4-Port DSP-based Analog Interface Voice Board (Support TAPI)

VOICE

FAX

VoIP

TAPI

How to Buy ▸

Features

- Two/four independent voice processing ports supporting low-to medium-density voice systems in a single PC (PCI Bus)
- Two extra audio jacks allow voice monitoring and auxiliary audio input
- μ-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 2 to 20 ports
- 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 monitoring & analysis (With "Diag32" Setting tool)

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 Deveploment

Technical Description

Configuration

The Talk Voice 2/4LV+ provides two/four telephone line interface circuits for direct connection to analog loop start lines. Up to 5 Talk Voice boards can be installed in PCI slots of a single PC chassis enabling port expansion up to 20 ports per system.

Network Interface

The Talk Voice 2/4LV+ 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 Talk Voice 2/4LV+ boards share a common driver architecture with other CallURL Talk Voice boards, offering users and developers with the maximum in flexibility and scalability. All Talk Voice products support standard TAPI and wave drivers for Windows 2000, 2003 and Windows XP (Home or Pro. editions)

Talk Voice 2/4LV+

2- and 4-Port DSP-based Analog Interface Voice Board (Support TAPI)

Technical Specifications

General
„ Number of ports: 4 (4LV+)
„ Number of ports: 2 (2LV+)
„ 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: Rotary switch to uniquely identify each board

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: 3.5mm audio in & out jacks
„ 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 μ-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 (2 & 4LVF+ models only)
„ Fax port: One fax port, shares a telephone line with one voice channel
„ Data rate: send & receive @ 14400bps
„ Group 3 Class 1 & 2 standards
„ Group 3 Class 1 & 2 standards
„ Supports T.30 fax communication handshake protocol
„ Interrupt level: 3, 4, 10, 12
„ I/O port: fix on COM4 (2E8h - 2EFh)

Bundled Drivers and Software
„ Bundled with TAPI and wave drivers for Windows 2000 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 ^{0} to 50 ^{0} C (32^0 to 122 ^{0} F)
„ Storage temperature: -20 ^{0} to 65 ^{0} C (4^0 to 149 ^{0} F)
„ Humidity: 10 to 80%, non-condensing

Ordering Information

Talk Voice 4LVF+
4-port DSP-based PCI bus analog voice board with one fax module & TAPI driver

Talk Voice 2LVF+
2-port DSP-based PCI bus analog voice board with one fax module & TAPI driver

Talk Voice 4LV+
4-port DSP-based PCI bus analog voice board, TAPI driver fax ready

Talk Voice 2LV+
2-port DSP-based PCI bus analog voice board, TAPI driver fax ready

Talk Voice 2MF+
2-port Fax Module for 4 & 2LV+ voice boards

How to Buy

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