

TV-2635

32-port VoIP/FoIP Voice Board

TV-2635 is PCI bus VoIP/FoIP board that provides 32-channel VoIP/FoIP functions, and 30-channel voice interface. TV-2635 supports various low bit-rate voice compression with silence suppression and echo cancellation, and T.38 compliant fax over IP with up to 14400 bps fax transmission. SCSA bus digital switching is equipped onboard to connect trunk /extension lines. Each port of TV-2635 can be used for inbound or/and outbound applications. The maximum number of TV-2635 that can be installed in a single system depends on the PCI bus the system has and the system performance.

Drivers /API

- Drivers for Windows NT®/ 2000
- DLL type driver supports almost all kinds of programming languages
- API for C, VB, Visual C++, Borland C++, Delphi, Visual Foxpro are available

FEATURES & BENEFITS

- Each TV-2635 supports 32-channel independent VoIP/FoIP interface.
- Each TV-2635 supports 30-channel voice interface
- Standard compliant low bit-rate (G.723.1, G.729A or G.711) voice compression
- Silence suppression, voice activity detection (VAD), and comfort noise generation (CNG)
- Standard compliant fax over IP (T.38) with up to 14400 bps fax transmission
- Dedicated processor to ensure background operation
- DTMF dialing; Digit duration and Pause time selection
- Detect caller hang up signal whether or not the system is playing or recording message
- Real time digitizing and decompression during recording and playback
- Call Progress detection of busy, dial, or ringback tone
- DTMF detection during playback or recording
- Provides any to any (any-port can connect to any-other port), non-blocking switching between ports
- Built-in 7 tone plants for PBX applications.
- Allows for a maximum of 2 sets of 8-way conference
- SCSA bus digital switching

TECHNICAL SPECIFICATIONS

Host Interface:

- Bus: PCI 32 bit bus
- Shared Memory: 416K bytes SRAM on each TV-2635
- Interrupt: INTA

VoIP Interface:

- Speech Digitizing Algorithm: G.729A (8Kbps), G.723.1 (6.3Kbps & 5.3Kbps), G.711 (64Kbps)
- VAD/CNG: G.729B for G.729A, G.723.1A for G.723.1
- G.165/168 line echo cancellers
- Protocol: SIP or H.323
 - H.323: H.323V4, H.225, H.245
 - SIP: RFC-3261, RFC-2327, RFC-2833, RFC-3264
- DTMF dialing, 0-9, *, #, A-D. Digit duration and Pause time selection
- DTMF receiving, supports SIP/H.323 out-band DTMF delivery

FoIP (Fax over IP) Interface:

- ITU-T T.38 Fax relay
- Up to 14400 bps
- ITU-T T.30 protocol
- ITU-T V.21, V.27ter, V.29, V.33, and V.17

Voice Interface:

- Speech Digitizing Algorithm: G.711 64Kbps, A-Law/U-Law
- DTMF dialing, 0-9, *, #, A-D. Digit duration and Pause time selection
- DTMF receiving, 0-9, *, #, A-D
- Configurable tone table for call progress tone detection

Switching unit:

- 7 tone plant for PBX application, including two ringback tone, two dial tone, one busy tone, one warning tone, and music on hold.
- Maximum 2 sets of 8-way conference.
- SCSA bus: One 26-pin connector to standard SCSA bus

APPLICATIONS

- VoIP Gateway
- IP PBX