

TV-2882/2842

High-Density ISDN Basic Rate Interface Boards

TV-2882/TV-2842 are PCI bus high-density ISDN boards that provide 4-port (TV-2882) /2-port (TV-2842) Basic Rate Interface. Each TV-2882/2842 board provides 8/4-channel voice processing function and 16-port conferencing function. In addition, 7 tone plants and SCSA bus digital switching are also equipped onboard. Through a polling and shared memory technique, up to 16 TV-2882/TV-2842 boards can operate simultaneously in a single system to expand to 128-channel (TV-2882) / 64-channel (TV-2842) voice processing function and 64-port (TV-2882) / 32-port (TV-2842) Basic Rate Interface. The maximum number of lines that can be supported depends on the application, the amount of disk I/O required, and the power of the host computer used.

Drivers /API

- Drivers for Windows NT/2000
- DLL type driver supports almost all kinds of programming languages
- API for C, VB are available

FEATURES & BENEFITS

- Dedicated processor to ensure background operation
- Each TV-2882/2842 provides 26-port conferencing function
- Built-in 7 tone plants include two ringback tone, busy tone, warning tone, two dial tone and music on hold
- Supports ITU Q.931 ISDN protocol
- Interface: S/T interface according to I.430
- Nominal Bit Rate: 192Kbit/S
- Frame Format: Standard format according to ITU I.430
- Line Code: Pseudo-ternary code
- Termination: 100 ohms
- Expands to a maximum of 16 boards to support 128-channel voice processing function and 64-port (TV-2882) / 32-port (TV-2842) Basic Rate Interface
- Transmit level: 3±0.6V
- Voice Channel: use G.711 u-Law compression, $\mu=255$
- Synchronization clock source and timing mode:
 - Internal Timing Mode: the Minimum Accuracy of internal clock is $\pm 32\text{ppm}$
 - Loop Timing Mode: recover clock from port 1 or port 2 BRI with output frequency (Frequency Departure) $< \pm 32\text{ppm}$
- SCSA bus compatible
- Support SCSA bus switching
- Size: 188 mm (length) x 107mm (height)

TECHNICAL SPECIFICATIONS

Host Interface:

- Bus: PCI 32 bit bus
- Shared Memory: 64K bytes SRAM on each TV-2882/2842
- Interrupt: INTA
- Maximum Number of boards per system: 16

Speech Digitizing:

- Algorithm: G.711
- Storage requirement: 64 Kbps

Switching bus

- SCSA bus: One 26-pin connector to standard SCSA bus
- 4 RJ-45 phone jacks (TV-2882)
- 2 RJ-45 phone jacks (TV-2842)

APPLICATIONS

- Automated attendant
- Voice mail/Voice messaging
- Interactive voice response
- Automated call rerouting applications (debit card, international callback, long distance resale)
- Inbound/Outbound Tele-marketing