TX-0400s

4-Trunk/6-Voice Board

TX-0400s is a PCI bus voice board that provides 4-channel trunk line interface and 6-channel voice processing function. The voice ports enables call progress analysis function. In addition, SCSA bus digital switching is equipped onboard. Through a polling and shared memory technique, up to 16 TX-0400s boards can operate simultaneously in a single system -- 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

➢ Single board PBX card provides full-function non-blocking switching
➢ 4-channel independent analog trunk line interface
➢ 4-channel voice processing function
➢ Provides free-port, non-blocking switching between ports onboard
➢ Provide Caller ID function
➢ Allows for a maximum of 2 sets of eight-way conference
➢ Dedicated processor to ensure background operation
➢ Pulse dialing; Pause, flash time selection, loop current drop detection (Trunk Interface)
➢ Ring detection; Loop current detection; Onhook / offhook control (Trunk Interface)
➢ DTMF dialing; Pause time selection (Voice Unit)
➢ Detect caller hang up signal whether or not the system is playing or recording message (Voice Unit)
➢ Real time digitizing and decompression during recording and playback (Voice Unit)
➢ Call Progress detection of busy, dial, or ringback tone (Voice Unit)
➢ DTMF detection during playback or recording (Voice Unit)
➢ Jumperless address setting
➢ Expands to a maximum of 16 boards to support 64-channel trunk lines and 96-channel voice processing function
➢ SCSA bus compatible
➢ Support SCSA bus switching

TECHNICAL SPECIFICATIONS

Host Interface:
➢ Bus: PCI 32 bit bus
➢ Shared Memory: 96K byte SRAM on each TX-0400s
➢ Interrupt: INTA
➢ Maximum Number of boards per system: 16

Analog Trunk Interface:
➢ Loop start
➢ Loop current drop detection
➢ Loop voltage polarity reverse detection
➢ Loop current: 20 -- 120 mA polarity insensitive
➢ Impedance: 600 ohm nominal
➢ Frequency response: 200 -- 3400 Hz
➢ Ring detection: 30Vrms -- 140Vrms (16 -- 68 Hz)
➢ Pulse dialing: 10/20 PPS, M/B ratio 33/66, 40/60 selectable
➢ Modular phone jacks with 1 RJ-45 outlet
➢ Caller ID receiving: Bellcore GR-30-CORE & DTMF

Speech Digitizing (Voice Unit)
➢ Algorithm: G.711
➢ Storage requirement: 64 Kbps

Switching bus
➢ SCSA bus: One 26-pin connector to standard SCSA bus

Audio-In/Out
➢ Input volume: 20-2000 mV (RMS)
➢ Input Impedance: 10K ohm
➢ Output volume: 200-2000 mV (RMS)
➢ Output Load Impedance: > 8 ohm (recommended)
➢ Connector: 3.5 mm stereo earphone jack

APPLICATIONS

➢ PBX
➢ Automated attendant
➢ Voice mail/Voice messaging
➢ Interactive voice response
➢ Auto dialers
➢ Inbound/Outbound Tele-marketing
➢ TeleConference, audio conference via the Internet
➢ TeleServer, communication server for enterprises