TD-52SE/DE/QE

1/2/4 port T1/E1 Board

TD-52SE/TD-52DE/TD-52QE are PCI add on board that provides 1/2/4 port T1/E1 digital trunk interface supporting value-added enterprise communication solutions of TeleSynergy's. TD-52xE series is mainly used as the interface that bridging TelePCX and its add-on equipments such as ES-0023/ES-0030 (Extension Switch), ME (Multi-Location External), EH (Extension Host), TeleIPS and the AbovEdge series. Through a polling and shared memory technique, up to 16 TD-52SE/TD-52DE/TD-52QE boards can operate simultaneously in a single system -- the maximum number of boards 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

➢ Provides 1/2/4 port T1/E1 digital bridging line interface on each board
➢ Supports FXS bridge function
➢ Support VoIP bridge function
➢ Dedicated processor to ensure background operation
➢ Jumperless address setting
➢ Expandable up to maximum of 16 TD-52SE/TD-52DE/TD-52QE boards to support 16/32/64 port T1/E1 digital bridging interface
➢ Long haul and short haul communication
➢ SCSA bus digital switching.

TECHNICAL SPECIFICATIONS

Host Interface:

➢ Bus: PCI 32 bit bus
➢ Shared Memory: 1M bytes SRAM on each TD-52SE/TD-52DE/TD-52QE
➢ Interrupt: INTA
➢ Maximum Number of boards per system: 16

T1 Interface:

➢ Nominal bit rate:
  T1: 1544 Kbit/s
  E1: 2048 Kbit/s
➢ Frame format:
  T1: ESF/SF
  E1: CRC4
➢ Line code:
  T1: AMI, B8ZS
  E1: HDB3
➢ CRC check capability
➢ Voice channel: a-law/u-law compression
➢ Load impedance: 100 or 120 ohm +- 5%, balance
➢ Transmit level: 3 +- 0.6V
➢ Synchronization clock and timing mode: internal timing or recover clock from E1 port
➢ Clock frequency departure: less than +- 32 ppm

Connectors

➢ 1/2/4 RJ-45 phone jack(s) for T1 interface
➢ 1 26-pin flat cable connector for SCSA bus

APPLICATIONS

Bridging TelePCX with the following equipments:
· ES-0023/ES-0030 Extension Switch
· ME (Multi-Location External)
· EH (Extension Host)
· TeleIPS
· AbovEdge series