

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), TelelPS 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)
- TelelPS
- AbovEdge series