



TD-52SC/52DC/52QC

T1/E1/PRI Board

(Support Hot line, Idle start, etc signaling)

Product Description

TD-52SC/TD-52DC/TD-52QC are PCI add on board that provides 1/2/4 port T1/E1/PRI digital trunk interface supporting Hot line, Idle start, etc signaling. Through a polling and shared memory technique, up to 16 TD-52SC/TD-52DC/TD-52QC 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.

Platform support

- Windows NT
- Windows 2000

Features

- Provides 1/2/4 port T1/E1/PRI digital trunk line interface on each board
- Supports ITU Q.931 ISDN protocol and MFRI, Hot Line, etc CAS signaling
- Dedicated processor to ensure background operation
- Jumperless address setting
- Expandable up to maximum of 16 TD-52SC/TD-52DC/TD-52QC boards to support 16/32/64 port T1/E1/PRI digital trunk interface

Host Interface

- Bus : PCI 32 bit bus
- Shared Memory : 1M bytes SRAM on each TD-52SC/TD-52DC/TD-52QC
- Interrupt : INTA on each TD-52SC/TD-52DC/TD-52QC
- Maximum Number of boards per system : 16

T1/E1/PRI Trunk Interface

- Nominal bit rate :
T1: 1544 Kbit/s
E1: 2048 Kbit/s
- Frame format :
T1: ESF/SF
E1: CRC4
- Line code :
T1: B8ZS, AMI
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 port 1~4
- Clock frequency departure : less than +- 32 ppm

Connectors

- 4 RJ-45 phone jacks to E1 trunk
- 1 26-pin male connector to SCSI bus

Applications

Co-work with TV-27120:

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