

TSV2-PCI-E1

Digital-Trunk Computer-Telephony

TSV2-PCI-E1 is a 2 ports multi-protocol digital-trunk termination card, using DSP technology, and PCI interface to a controller server PC, to control, process and record signaling and bearer channel contents of a point-to-point both-way E1 trunk.
Supported link protocols are: ISDN-PRI, CAS-3bit and MFC-R2.



Features

- ◆ Supports ITU-T ISDN-PRI, MFC-R2 and CAS-3bit signaling
- ◆ Configurable for 2xE1, T1 or J1 trunk
- ◆ Realizes User and/or Network side termination (ISDN-PRI)
- ◆ Power Supplied and controlled by PCI slot interface
- ◆ Uses DSP technology to implement first 3 layers of OSI model
- ◆ Modular hardware and downloadable firmware
- ◆ Powerful call-progress analysis and monitoring
- ◆ Comprehensive system and fault alarms
- ◆ Meets relative ITU-T, ETSI and IEEE standards

Key Benefits

- ✓ Future-proof PC-downloadable firmware
- ✓ Maximum robustness and flexibility of firmware and software to adapt with country-specific regulation and special (non-standard) customization

Technical Specifications

■ Configuration

The TSV2-PCI-E1 provides 2 standard interface for direct connection to a Digital E1, T1 or J1 link.
It can be configured as User or Network side of an ISDN-PRI link.
All signaling events and call progress states are transferred to server PC, Through PCI slot, as well as all bearer (voice) channels.
Up to four E1-USB-CT can be installed in one PC, handling 120 voice channels.

■ Input/Output Ports

Two RJ45 type connector: Send & receive way from peer side of link.

■ PC (External) Interfaces

- ▶ PCI/XPCI slot section

■ Functions (both ways)

- > Physical link status monitoring: Total-Synchronization, Alarms, CRC-4, ...
- > Signaling and call progress transaction
- > Data link establishment and status monitoring (PRI only)
- > Layer-3 message transfer and interaction monitoring (PRI only)
- > On-line real-time voice play back and record
- > Built-in functional and diagnostic self tests
- > User defined parameters setting (standard and customized)
- > All standard functions of computer telephony

■ Typical Applications

- ☑ Public safety
- ☑ Whole sale trading
- ☑ Contact centers (call centers)
- ☑ UC (Unified Communication)
- ☑ IVR (Interactive Voice Response)
- ☑ UMS (Unified Messaging System)
- ☑ ACD (Automatic Call Distribution)
- ☑ Voice/Fax/Data applications development
- ☑ General Computer-Telephony applications
- ☑ Voice/Fax Voice logging system

■ Standards & Certifications

Conforming to the following ITU-T and ETSI recommendations:
I.431, Q.921, Q.931
G.703, G.704, G.706, G.732, G.775, G.796, G.823, G.946, G.965
ETS 300 011, ETS 300 233, ETS 300 166, ETS 300 324, ETS 300 347

■ Electrical

Power Requirements: PCI Slot Supply: 5 V ac @ 400 m A (2 W)
Input impedance: 120 Ohm

■ Physical

Card Dimensions : 193(H) * 114 (W) mm

■ Environmental

- ⊕ Temperature:
Operating: 0 °C to +40 °C
Storage : -20 °C to +60 °C
- ⊕ Relative Humidity (non-condensing):
Operating: 20 % to 80 %
Storage: 5 % to 80 %

■ Panels, Connectors & Accessories

- Two RJ45 connectors

■ Software

Following soft wares (by Tazarv Afzar Co.) are applicable:

- ⊕ Auto Attendant (AA)
- ⊕ Fax-Voice Mail (FVM)
- ⊕ Question & Answer (Q&A)
- ⊕ Customer Relation Management (CRM)
- ⊕ Comprehensive Information System (CIS)
- ⊕ Voice Logging (HCLS3000)

■ Ordering Information

TSV2-PCI-E1