

PRODUCT FEATURES

- Intra-office tandeming between D4 channel banks
- 12 DS0 capability

ATRT DA

 Multiple loopbacks and diagnostics
 Compatible with standard

FT1-TDM

FRACTIONAL T1 TANDEM CHANNEL UNIT

The ADTRAN FI - TDM is a central office (CO) unit used to deploy N454 byta tandeming between channel banks within a CO, where N is a selectable number of channels ranging from 2 to 12. The FT1-TDM plags directly into a standard AVR D 14 or equivalency channel bank, or SLC-96 when running SLC Model to 73 operation. The unit occupies a stingle slot. No installation whire for required. Signals are provided to and from the channel bank or RT, while PCM signals are provided to face of from the channel bank or RT, while PCM signals are provided to the local CO loop.

One ten-position switch pack is used to configure the mode of operation for the unit. Configuration is performed by manually selecting each option switch.

Bandwidth is set by the FT1-TDM in contiguous or alternating time slots.

The front panel of the FT1-TDM contains DS0 splitting Bantam jacks.

The metallic splitting jacks provide an intrusive, signal-interrupting access to the first 1908 channel. The Bantam jacks allow connection of a Tele-Path Industries 108/109 RT II (or equivalent) test set through one DSD channel at 64 kbps for functions such as seending and receiving bit error rate signals, and latching loopback sequences.

There are two loosbacks waitable to the ETI-TION NEAR homback loans

the received T1 signal back to the T1 transmitter at the DSX-1 Interface. SIR loopback loops he received PCM data back to the PCA buckplane. NEAR loopback is a digital loopback toward the DSX-1 Interface. This loop-test instituted by the DSI latching loopback command to by the front panel NEAR IT when the DSI latching loopback command to the PCM interface panel NEAR IT when the DSI and the popular loop and the PCM interface and the DSI and the DS

If needed, bi-directional tandem latching loopbacks are available by looping a remote FTI-TDM and sending the sequence from a local unit. The latching loopback sequence can also be initiated through the front panel Bantam jacks.



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Product Specifications

DSY.1 INTERFACE

- Interface Type: 4-wire (Tx pair and Bx pair)
- Operating Mode: Full Duplex
- Maximum Data Rate: 768 kbps (12 channels
- Line Faualization: 0-655 feet
- Line Code: AMI, B8ZS Framing: D4 ESF
- Line Impedance: 100O

CHANNEL BANK FACILITY INTERFACE · Fully compatible with D4 channel bank

equipment

CLOCK SOURCES Derived from channel bank

DIAGNOSTICS Far Loophack

- Self Test Near Loopback
 - ENVIRONMENT
 - Operating (standard): -40° to +70°C
 - Storage: -40° to +85°C Relative Humidity: Up to 95% non-condensing



PHYSICAL CHARACTERISTICS Dimensions: 4.4" H, 1.4" W, 10" D

- Weight 8 ounces, nominal
- Plugs into AT&T D4. SLC-96, or ADTRAN.
- ACT 1241 customer premises bank Power: 5 Volts: 100u max
- -48 Volts: 40 mA max
- Total Power: 2.0 W max

FACEPLATE INDICATORS

 The FT1-TDM has four faceplate LFDs. which indicate operational status

FACEPLATE SWITCHES Two DIP switches are located on the

FTI-TDM faceplate. Use these to activate

and deactivate far end loopback and near end loopback. Use the twelve-position rotary switch to select the number of channels to be used

Ordering Information

EQUIPMENT PART # FT1-TDM 12420521.1

Specifications subject to chance without action