



# D4 FT1 DP

## FRACTIONAL T1 DATAPORT FOR AT&T D4 CHANNEL BANK

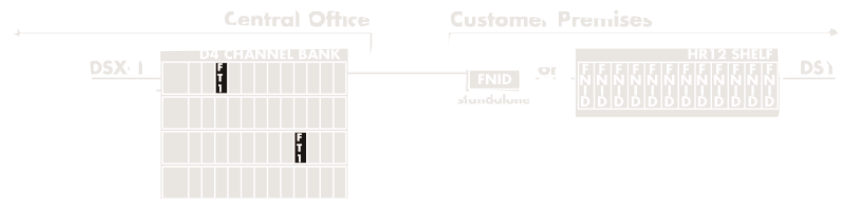
### PRODUCT FEATURES

- Repeaterless FT1 over Carrier Service Area (CSA) loops
- FT1 service rates of 128 to 768 kbps in increments of 128 kbps
- 2B1Q modulation
- Front panel LEDs to indicate system status
- Manual DIP switches at FT1 DP as well as remote provisioning
- Local or remote performance monitoring capability
- Loopbacks with DDS latching loopback codes
- Operation over extended temperature ranges (standard -40° to +70°C)
- Supports operation of Fractional T1 Repeater
- Standard 10 year warranty

The ADTRAN FT1 DP occupies one physical channel unit of an AT&T Network System (WECO™) D4. The ADTRAN FT1 DP works with the ADTRAN Fractional T1 Network Interface Device (FNID). Together the units support two-way fractional T1 transport at rates of 128, 256, 384, 512, 640, and 768 kbps over an existing CSA loop plant, without loop conditioning or service degradation. The technology used in the FT1 DP is High-bit-rate Digital Subscriber Line (HDSL). The HDSL transport complies with the specifications contained in Bellcore TA-NWT-0001210, FA-NWT-0001211, and ANSI T1E1 HDSL Technical Report - TR28.

The FT1 DP can span power the (FNID). In addition, the FT1 DP is capable of span powering a Fractional T1 repeater which can be used to double the deployment range of a circuit. The FT1 DP maintains all provisioning options of the FT1 circuit. These options are set either manually (through DIP switches) or through a craft access RS-232 interface (DB-9). The FT1 DP also provides extensive Operation, Administration, Maintenance, and Provisioning (OAM&P) information through faceplate features or the terminal interface.

HDSL local loop operation is independent of the channel bank chosen to deploy the FT1 DP units. The FT1 DP is the master in the master/slave relationship with the FNID. The FT1 DP provides span powering to the FNID, if required by the application. Additionally, the FT1 DP provisions and maintains the FT1 circuit. Provisionable options may be selected through manual switch selections and through a controlling terminal interface. Once selected, these options can be changed by either of these two methods; the FT1 DP remembers the last change implemented.



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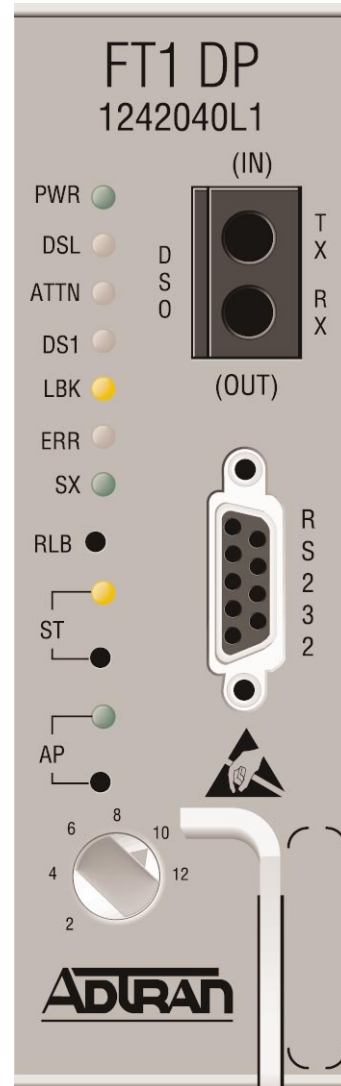
## Product Specifications

### PROVISIONABLE OPTIONS

- Channel Selection (alternate or contiguous)
- Line Coding
- Framing
- Latching Loopback
- DS1 Equalization
- Loopback Timeout
- Loopback "keep alive" setting
- SNR Thresholds
- Attenuation Thresholds
- Error Threshold
- Idle Code Detection
- SLC-96 Mode of Operation
- A/B Bit Signalling

### FACEPLATE FEATURES

- **LEDs:**
  - Power Indication for HTU-C supply
  - Loop Synchronization and Signal Quality
  - Attenuation
  - Local and/or Remote Alarm Indication
  - Loopback Indication
  - Sealing Current (with or without Span Powering) on Local Loop
  - Self Test
- **Jacks:**
  - DS0 Break Out Jack
  - RS-232 Interface (DB-9)
- **Rotary Dial:** Used to select data rate



## Ordering Information

EQUIPMENT	PART #
D4 FT1 DP .....	1242040L1

Specifications subject to change without notice.



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