

TA 1500 FXO/DPT

TOTAL ACCESS™ 1500 FXS/DPO AND FXO/DPT

PRODUCT FEATURES

- FXS, FXO, DPT, Tandem, PLAR, and DPO operating modes
- Nominal 600 Ohm or 900 Ohm + 2.16mF two-wire VF Interface with DC isolation
- PCM voice interface (digital), with m-law 255 data encoding/decoding
- Loop start, ground start, and wink start signaling modes and operation
- Extended operating temperature from -40°C to $+65^{\circ}\text{C}$
- CLASS compatible
- Digital loopback towards network
- Meets UL, NEBS Level 3, and PUB43801 requirements

The ADTRAN® Total Access 1500 FXS/DPO and Total Access 1500 FXO/DPT provide for a two-wire 600/ 900 Ohm + 2.16mF interface between a VF transmission and signaling facility and a PCM interface. The two units contain the necessary circuitry to convert voice data signals from the customer's loop to PCM digital data and to convert PCM digital data from the carrier to voice data. The primary applications in FXS or FXO mode are for providing an FX off-premises station line or an FX trunk from a PBX to a Central Office or special access service. In DPT mode, the primary application is to provide an interface to a two-wire pulse or multi-frequency (MF) originating signal. A common application in Tandem mode is the termination of Class IV toll switches. A private hot-line application connects a two phone set in a Private Line Auto Ring-down mode. In DPO mode, the primary application is to provide an interface to a two-wire dial pulse or multi-frequency (MF) originating circuit.

The Total Access 1500 FXS/DPO channel unit can operate in FXS, Tandem, PLAR, and DPO modes. It has a TLP transmit input range of -9.0 to $+0.0$ dBm. The Total Access 1500 FXO/DPT channel unit can operate in either FXO or DPT mode. It has a TLP transmit input range of -7.0 to $+9.0$ dBm. Each has a TLP receive output range of -7.0 to $+9.0$ dBm. Provisioning is accomplished by onboard switches or by using the craft interface. Up to 9.0 dBm transmit and receive attenuation is adjustable in 0.1 dB increments. Each unit is CLASS compatible and performs a digital loopback towards the network. The Total Access 1500 FXS/DPO will operate in loop start, ground start, and wink start signaling modes.

ADTRAN's new Carrier Class multi-service access platform, Total Access 1500, offers unmatched versatility for narrowband service offerings in the smallest form factor available. The platform integrates the functionality of many different carrier products into a single chassis. It features high density, easy provisioning, flexible deployment, and low cost-per-port. Total Access 1500 can terminate up to five individual T1s, using copper facilities to provide diverse network routing and protection. Deployed in either the central office or remote terminal, Total Access 1500 provides a fast, simple, and effective means of increasing POTS capacity, deploying special services, and deploying DSL services.

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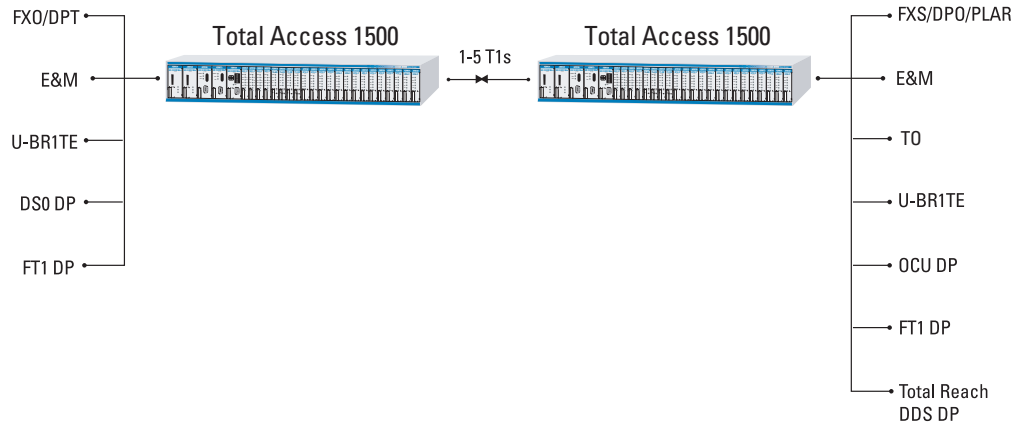
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Product Specifications

MECHANICAL

- **Dimensions:** 3.00" H, 0.70" W, 9.72" D
- **Weight:** 1 lb
- **Mounting:** Plugs into any channel slot (1-24) of the Total Access 1500 Chassis

FACEPLATE FEATURES

LEDs

- GREEN - Indicates ringing active/busy
- YELLOW - Indicates test in progress
- OFF - Indicates unit is idle

AP pushbutton

- Toggles between manual and remote provisioning

FXS Signal States

- FLX, PLAR, Tandem, or DPO
- Groundstart or loopstart
- Immediate or wink start (tandem mode only)
- Normal or reverse battery (tandem mode only)
- D3 or D4 (PLAR only)

FXO Signal States

- FXO or DPT
- Ground start or loop start

ENVIRONMENTAL

- **Operating:** -40° to +65°C
- **Storage:** -40° to +85°C
- **Relative Humidity:** Up to 95%, non-condensing

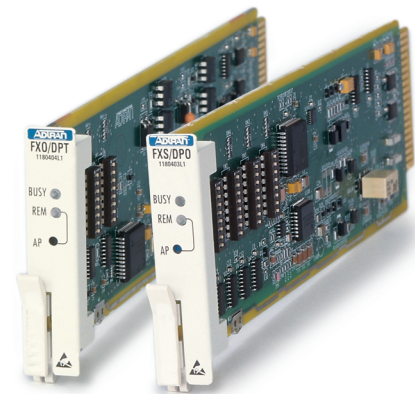
Ordering Information

EQUIPMENT

PART

Total Access 1500 FXS/DPO	1180403L1
Total Access 1500 FXO/DPT	1180404L1

Specifications subject to change without notice.



ADTRAN is an ISO 9001 registered company.

