

# E&M/TO

## TOTAL ACCESS™ 750/850/1500 ACCESS MODULE

### PRODUCT FEATURES

- Multifunction unit
- 600W (four-wire) or 600W + 2.15 mf (two-wire) VF interface with DC isolation
- Provisioning by onboard switches or craft interfaces
- Dial pulse distortion correction option
- Up to 9.0 dBm transmit and receive attenuation adjustable in 0.1 dB increments
- Compatible with Types I, II, III, or V E&M signaling interfaces
- CLASS compatible
- Digital loopback to the network, via site manager or craft interface
- Meets the requirements of NEBS Level 3 and UL 1950
- Industry-leading 10-year warranty

The ADTRAN® Total Access Ear and Mouth/Transmit Only Dataport (E&M/TO) is an access module that plugs into a single channel slot of a Total Access 750 or 850 integrated access device or a Total Access 1500 multiservice access platform. It provides an interface between a platform PCM interface and a Voice Frequency transmission facility with E&M DC signaling supervision. The unit is multifunctional and can be provisioned to operate in two-wire E&M, four-wire E&M, two-wire TO, and four-wire TO. The primary applications for the E&M/TO channel unit are for providing PBX foreign exchange at the customer premises, or tandem central office applications. The channel unit is intended only for interface with intra-building wiring. It is not equipped with outside plane metallic interface lightning and power cross protection. The E&M/TO card can also be deployed in a Total Access 750 or Total Access 850 integrated access device.

The E&M/TO features a four-wire 600W or two-wire 600W + 2.15 mf VF interface with DC isolation. Provisioning is accomplished through onboard switches and craft interfaces, and a network digital loopback can be performed using the site manager or the craft interface. A dial pulse distortion correction option is available. It is compatible with Types I, II, III, or V E&M signaling. The E&M/TO is CLASS compatible, and also meets UL, NEBS, and PUB43801 requirements.

ADTRAN's new system of Carrier Class integrated access devices and multiservice access platforms, Total Access 750/850/1500, offers unmatched versatility for narrowband service offerings in the smallest form factors available. These platforms integrate the functionality of many different carrier products into a single chassis. They feature high density, easy provisioning, flexible deployment, and low cost-per-port. Deployed in either the central office or remote terminal, the Total Access 750/850/1500 provide a fast, simple, and effective means of increasing POTS capacity, deploying special services, and deploying DSL services.

## CORPORATE OFFICE

ADTRAN, Inc.  
901 Explorer Boulevard  
P.O. Box 140000  
Huntsville, AL 35814-4000

800 9ADTRAN  
256 963-8000  
fax: 256 963-7916  
fax back: 256 963-8200  
e-mail: info@adtran.com  
web site: www.adtran.com

## REGIONAL OFFICES

Dallas, TX  
800 471-8648

Denver, CO  
800 471-8651

Irvine, CA  
800 788-5408

Kansas City, KS  
800 471-8649

Philadelphia, PA  
800 471-8656

San Antonio, TX  
888 223-7671

## INTERNATIONAL CONTACTS

Asia Pacific-Hong Kong  
1 852 2824-8283 (Hong Kong)

Europe-Zurich, Switzerland  
41 1 880 27 77

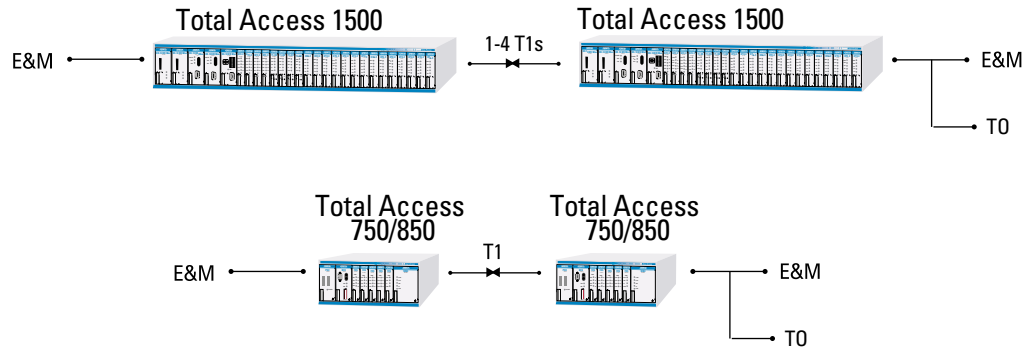
Mexico/Caribbean  
1 954 577-0357

Latin America  
1 954 746-5355

Canada-Ontario  
1 905 474-5703

Canada-Quebec  
1 514 940-2888

All other inquiries  
1 256 963-2500



## Product Specifications

### MECHANICAL

- **Dimensions:** 3.00" H, 0.70" W, 9.72" D
- **Weight:** 1 lb
- **Mounting:** Plugs into any channel slot of the Total Access 750 or Total Access 1500 chassis

### FACEPLATE FEATURES

#### Indicators

- Two LEDs monitor status and remote provisioning

#### AP Pushbutton

- Toggles between remote and local provisioning

### ATTENUATION LEVELS

#### Input TLP range

- -9.0 to 0.0 dBm two-wire -17.5 to -5.5 dBm four-wire

#### Output TLP range

- -9.0 to 0.0 dBm two-wire -3.5 to +8.5 dBm four-wire

### OPERATIONAL MODES

- E&M or TO
- Type I, II, III, or V signaling
- Sealing current sink, source, or none (TO mode only)

### ENVIRONMENTAL

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

## Ordering Information

### EQUIPMENT

E&M TO.....1180402L1

### PART #

Specifications subject to change without notice.



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