# Total Access 750

## Modular T1 TDM Integrated Access Device

## Product Features

- T1/FT1 integrated access device

- Occupies one half of two rack units (2U)

- Supports wide variety of services – 24 analog voice (FXS/FXO) circuits, Nx56/64 Data, Fractional T1, DDS, ISDN

- Compact rack or wallmount design

- Supports TR-08 signaling

- Automatic gain adjustment on analog units (FXS, FXO)

- Integrated T1 CSU

- AC power option

- Battery backup option

- UL 1950 compliant

- Industry-leading 10-year North American warranty

As competition for dial tone continues, service providers must find integrated access devices that allow cost effective deployment of voice and data services at the customer's premises. ADTRAN's Total Access® 750, a low-cost integrated access device, allows service providers a means to offer combined voice and data traffic over a single T1 terminating at a customer's premises. The Total Access 750 supports a broad service offering including analog voice (FXO/FXS), NxData, Fractional T1, ISDN and DDS.

The Total Access 750 provides seven slots for the user to combine a variety of voice and data services based on the specific requirements of each application. Up to six Quad FXS or FXO access modules provide up to 24 analog voice lines. Data options include a Fractional T1 port, as well as DDS, ISDN, and Nx56/64 access modules. The Fractional T1 Drop-and-Insert port on the rear of the unit provides a convenient method of dropping a number of DS0s to a PBX or other equipment via a DSX-1 signal.

The design of the Total Access 750 lends itself to cost-efficient growth or a "grow-as-you-go" architecture. Many applications require only a limited amount of analog circuits and, therefore, do not warrant purchasing or installing 12 or 24 ports as required with other non-modular designs. The benefits of the Total Access 750

modularity are also found in cost-per-port comparisons and data applications. Because a provider only installs the amount of voice ports needed for the subject application, initial turn-up cost and per-port cost are lower. This is because the provider can defer channel unit cost until it is needed And in data applications, the Total Access 750 provides the flexibility to mix voice and data units also based on the particular requirements of each application.

When maintenance becomes necessary, the Total Access 750 design allows technicians to reach the access modules, commons, power supplies, and battery back-up system easily. Access modules are hot swappable and accessible at all times. An individual access module may be replaced without disrupting other units. So, the 4-circuit-per-card design ensures a maximum of only four analog circuits are affected when replacing a channel unit (as opposed to 12 with other non-modular systems).

The 2U design of the Total Access 750 uses a minimum amount of wall space. The 8.5-inch x 11-inch chassis uses a space about the size of a standard piece of note book paper. When rack-mounting is desired, two Total Access 750 systems can be mounted side-by-side in either a 19-inch or 23-inch relay rack.

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# Total Access 750

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# Product Specifications

## Total Access 750 Interface
### Network Interface
- Line Rate: 1.544 Mbps +/- 75 bps

### Physical Interface
- RJ-48C: Modular, 8-pin

### Framing
- D4(SF)/ESF/TR-08
- ANSI T1.403
- Line Code: AMI/B8ZS
- T1 Transmit Timing: Loop, Local, External

## Management Options
### Control In / Control Out Ports
- Interface: EIA–232, PC Serial Port or Modem
- Physical Connector: DB-9

## Testing Options
### Local and Remote Loopbacks
- Payload and Line
- CSU Loopback

### Network Interface Test Jacks
- Bantam Jack: RXMON

## TR-08 Support
- Conforms with TR-TSY-000008
- TR-08 Mode I, Unconcentrated
- SLC96® framing with alarm reporting/monitoring
- Automatically configures to ORB-13 or ORB-16 alarm messaging formats
- Single Party Ringing (SPR) and Universal Voice Grade (UVG) analog ports supported with FXS modules. CLASS® services also supported with these modules.

## Performance Monitoring
- Reports: NI information stored for last 8 hours (60-minute increments)
- PRMS: ANSI performance report messages

## Agency Approvals
- UL 1950
- FCC Part 15 (Class A) and Part 68

## Environment
- Operating Temperature: - 40° to +70°C
- Storage Temperature: –30° to 70°C, (–4° to 158°F)
- Relative Humidity: Up to 95%, non-condensing

## Physical
- Dimensions: 3.5" H, 11" D, 8.5" W
- Weight: 8 lbs (fully loaded)

## Power
- AC Power (using external power supply): 90-130 VAC, 60Hz, 50W Max
- DC Power: 40-56 VDC, 50W Max

# Ordering Information

| Equipment | Part # |
|---|---|
| Total Access 750 Chassis | 1175001L1 |
| Total Access 750 Dual Chassis | 1175201L1 |
| 750 BCU L1 | 1175012L1 |
| 750 BCU L2 with DSX-1 | 1175012L2 |
| 750/850 Power Supply Unit (PSU) | 1175006L2 |
| 750/850 Quad FXS Module | 1175408L2 |
| 750/850 Quad FXO Module | 1175407L2 |
| 750 V.35 (Nx56/64) Module | 1175025L1 |
| 750/850 OCU DP Module | 1180005L1 |
| 750/850 DS0 DP Module | 1180003L1 |
| 750/850 U-BR1TE Module | 1180020L1 |
| 750/850 Dual V.35 Module | 1180025L1 |
| AC Power Supply | 1175043L3 |
| 750/850 Battery Backup (L1) Rack ot Wallmount | 1175044L1 |
| 750/850 Battery Backup (L2) Wallmount | 1175044L2 |
| 750/850 19" Rackmount Brackets | 1175045L1 |
| 750/850 23" Rackmount Brackets | 1175046L1 |