



# Octal IDSL

## Total Access DSLAM Octal IDSL Module

### Product Features

- Eight ANSI T1-601.1992 compliant ISDN U-interface circuits running from 64 to 144 kbps data rate
- Maximum of eight DLCIs per IDSL loop
- 64 kbps, 128 kbps and 144 kbps data rates
- Loopback support at the U-transceivers and ATM interface for fault isolation
- Performance monitoring support (FEBE and NEBE) at each interface point (8)
- Test packets sent toward line for diagnostics
- Craft and SNMP management interfaces
- Software download capability for application code and FPGA configuration data
- Industry-leading 10-year warranty

Legacy ISDN deployments were intended to deliver 144 kbps over a single pair. The ADTRAN™ Total Access® DSLAM Octal IDSL module provides data interfaces between the eight U-interface ISDN line circuits and the Total Access DSLAM backplane which connects to the CSM or TSI switch module.

The card occupies a single access slot in the shelf. This card may be plugged into any one of the 28 general purpose, line card slot positions of the Total Access DSLAM. The card is designed to work with the DS3 CSM, 128-port CSM, OC-3c CSM, and the DS3 TSI switch module.

The Octal IDSL module supports both FRE5 and FRE8 frame interworking standards. The data rate on each line interface may be 64 kbps, 128 kbps or 144 kbps. The data rate is software configurable through either the craft menus, SNMP, or TL1 management interfaces.

The U-interface pairs are accessed at the eight 64-pin Champ connectors on the backplane. Each circuit carries 144 kbps serial data over the subscriber loops, up to a maximum distance of 18,000 feet, over a 26 AWG copper pair. This service can be delivered over standard repeated U-interface circuits.

**ADTRAN, Inc.**  
901 Explorer Boulevard  
Huntsville, AL 35806

P.O. Box 140000  
Huntsville, AL 35814-4000

256 963 8000 voice  
256 963 8030 fax  
877 457 5007 fax back

**General Information**  
800 9ADTRAN  
info@adtran.com  
www.adtran.com

**Pre-Sales Technical Support**  
888 5ADTRAN  
support@adtran.com  
www.adtran.com/support

**Where to Buy**  
800 827 0807  
www.adtran.com/where2buy

**Post-Sales Technical Support**  
800 726 8663  
support@adtran.com  
www.adtran.com/support

**Regional Offices**  
Dallas, TX  
972 830 9070  
Denver, CO  
303 471 9150  
Irvine, CA  
949 260 3500  
Kansas City, KS  
800 471 8649  
Newark, NJ  
800 471 8656  
Ontario, Canada  
416 290 0585  
Quebec, Canada  
877 923 8726  
San Antonio, TX  
888 223 7671

**International Inquiries**  
+1 256 963 8716 voice  
+1 256 963 6300 fax  
international@adtran.com  
www.adtran.com/international



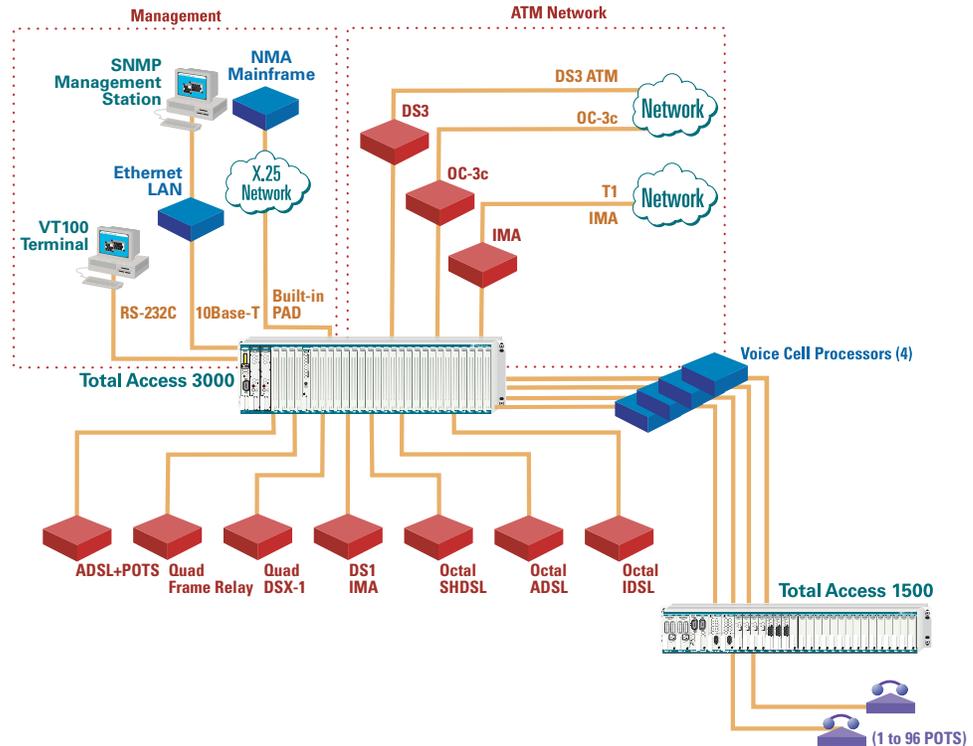
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## Total Access DSLAM Octal IDSL Module



## Product Specifications

### Front Panel Features

- Power LED
- 8 DSL Port indicators

### Mechanical

- **Dimensions:** 5.20 in. H x 0.79 in. W x 10 in. D
- **Weight:** Less than 1 lb
- **Mounting:** Occupies single access module slots in the Total Access 3000 or 3010 chassis

### Interfaces

- **Network:** ATM upstream through the CSM
- **Subscriber:** 64 kbps, 128 kbps, or 144 kbps, IDSL interface

### Electrical

- **Power requirements:** -42 VDC to -56 VDC input range

### Regulatory Standards

- ANSI T1-601.1992
- GR-1089-CORE, Issue 3
- NRTL Safety Listed
- FCC Part 15, Class B
- TR-NWT-000397
- TR-NWT-000829
- TR-NWT-000393

### Management

- The data rate is software configurable through, either the craft menus, SNMP or TL1 (future) management interface

### Environmental

- **Operating:** -40°C to +65°C
- **Storage:** -40°C to +85°C
- **Relative humidity:** Up to 95 percent, noncondensing

## Ordering Information

Equipment	Part #
Octal IDSL Module	1181407L1

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