

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.



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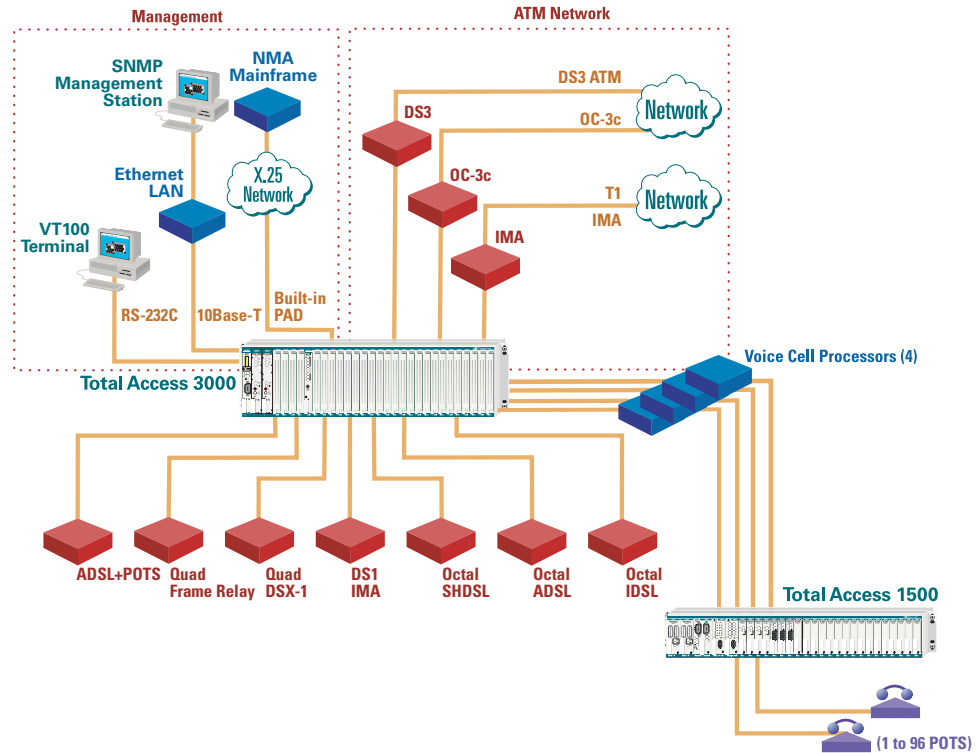
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Total Access DSLAM Octal IDSL Module



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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