



TOTAL ACCESS 3000/3010

MULTI-SERVICE ACCESS PLATFORM

PRODUCT FEATURES

- TDM, Frame Relay, or ATM network interfaces
- Open architecture design
- High density – 224 two-wire circuits per shelf
- 1:1 protection for network and loop interfaces
- Digital and Metallic Test Access
- Multiple network management capabilities (TL1, SNMP, and TELNET), including provisioning, alarms, and testing
- TDM network interfaces available today – DS3, STS-1, OC-3
- TDM loop interfaces available today – HDSL, HDSL2, T1, DSX-1, ISDN, Optical DS2
- NEBS Level 3 and UL 1950 compliant
- Industry-leading 10-year warranty

The Total Access 3000™ (TA 3000/TA 3010) is an open-architecture, Carrier Class multiservice access platform for deploying broadband and xDSL services from TDM, Frame Relay, or ATM backbone infrastructures.

Its compact size (23" / 19" x 6") allows installation in places where space is limited, such as crowded COs, RT cabinets, co-location (COLO) sites, and customer premises equipment rooms.

The Total Access platform provides a variety of loop and network interface modules. Most interfaces support Automatic Protection Switching (APS). For today's TDM networks, the Total Access supports DSX-1, DS3, STS-1, and OC-3 network interfaces with companion loop interfaces such as HDSL, HDSL2, T1, ISDN, and Optical DS2. Frame Relay and ATM network interface modules support HDSL2, G.shdsl, ADSL, IDSL, and DSX-1 loop interfaces. TA 3000 can be integrated with ADTRAN's TA 1500/850/750 platforms to provide narrowband services such as POTS, ISDN, and DDS.

The TA 3000/3010 can be deployed as any of the following:

- Office Repeater Bay (ORB), replacing legacy designs such as the 220 and 3192 shelves
- M13 multiplexer, with the flexibility to deploy interoffice (DSX-1) and/or outside plant loop interfaces (HDSL2, ISDN, T1, Optical DS2)
- STS-1/OC-3 SONET multiplexer, allowing the platform to subtend from backbone SONET equipment
- ISDN Digital Loop Carrier (DLC), supporting up to 140 BRI interfaces in a single shelf
- Digital Subscriber Line Access Multiplexer (DSLAM), with extremely low first circuit and port cost

Total Access supports a wide variety of management options. Transaction Language 1 (TL1) is used to communicate alarms with Telcordia's NMA™ Operations Support System (OSS) using an internal X.25 PAD. An Ethernet 10BASET connector is used for TELNET access and connection to SNMP networks. ADTRAN's ADVISION™ SNMP software, running on a workstation, provides a graphical user interface (GUI).

The TA 3000 is designed for 23" relay racks and has 28 access module slots. The TA 3010 is designed for 19" relay racks and has 22 slots. The equipment meets all requirements of NEBS Level 3 and UL 1950 for maximum reliability and safety.

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/Australia
852-2824-8283 (Hong Kong)

Canada
800 232-6811

Caribbean/Latin America
954 746-5355

All other International
inquiries
256 963-2500

Product Specifications

NETWORK INTERFACES

- Transport: DSX-1, DS3, STS-1, OC-3
- Physical: 64-pin AMP, Coax, Fiber

MANAGEMENT

Craft Interface

- Accessible from front of SCU
- **Electrical Interface:** EIA-232, PC serial port, or modem
- **Physical connector:** DB-9 front

10 BaseT Interface

- Protocols: SNMP, TELNET

Synchronous DB-25 Interface

- Protocol: TL1
- Internal X.25 PAD
- Compatible with NMA™

PHYSICAL

- **Dimensions:** 6" H, 12" D, 23/19" W
- **Weight:** 12 lbs. (chassis only)
- **Agency Approvals:** NEBS Level 3, UL 1950

ENVIRONMENTAL

- **Operating Temperature:** -40° to +65° C
- **Storage Temperature:** -20° to +70° C
- **Relative Humidity:** Up to 95% non-condensing

POWER

- **DC Power:** -40 to +56 VDC
- **Connection:** Screw terminals (A and B feed)

Ordering Information

EQUIPMENT

PART

Chassis and Commons

Chassis	1181001L1
SCU (Gateway)	1181017L1
SCU (Standard)	1181015L1

TDM Multiplexers

DS3	1181020L1
STS-1	1181030L1
STS-1 w/DCC	1181030L2
OC-3	1181031L1
OC-3 w/STS-1 drop capability	1181031L2

TDM Access Modules

HDSL	1181101L1
HDSL2	1181111L1
DSX-1	1181050L1
T1 Office Repeater	1181310L1
ISDN HD10	1181200L1
Optical DS2	1181300L1

Frame Relay and ATM Multiplexers

DS3 Frame MUX	1181040L1
DS3 ATM MUX	1181041L1

Frame Relay and ATM Access Modules

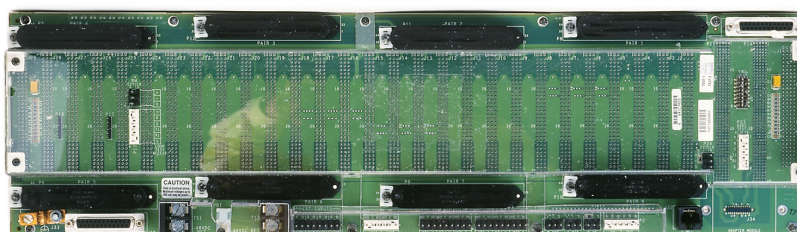
Octal TR-SDSL	1181401L1
Quad DSX-1	1181402L1
Octal G.shdsl	1181403L1
Dual HDSL2	1181404L1
Quad ADSL	1181405L1
Octal IDSL	1181407L1

Specifications subject to change without notice.

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Front View Total Access 3000



Rear View of Total Access 3000



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