



32-Port VDSL2 Access Module

Total Access 5000 32-Port VDSL2 Access Module

Product Features

- Provides 32-ports of VDSL or VDSL2
- Provides ability to support ADSL, ADSL2, and ADSL2+
- 320 ports with integrated POTS splitters per Total Access 5000 Software upgradeable to support pair bonding
- Provides 8a, 8b, 8c, 8d, 12a, 12b, and 17a profiles
- Supports configurable interface rates for upstream and downstream
- Onboard relays provide for metallic test access to the subscriber loops
- Supported by Total Access EMS
- Industry-leading 10-year warranty

The ADTRAN® Total Access® 5000 Multi-Service Access and Aggregation Platform can be configured to support pure DSL overlay application. As an IP DSLAM, the Total Access 5000 is equally capable in Central Office, Remote Terminal and Remote Node locations, providing an economically scalable DSL overlay solution to meet the increasing broadband requirements of the next-generation network. The ADTRAN Total Access 5000 VDSL2 Access Module works in tandem with the Total Access 5000 VDSL2 Splitter Module to deliver up to 320 individually configurable broadband ports per chassis.

Although the VDSL2 Access Module only takes up one slot in the Total Access 5000, the SPLTR VDSL2 32-PORT Access Module is required, both to deliver services to the end customer and to provide subscriber access termination. The 32-Port VDSL2 Splitter Module functions as a host card for the VDSL2 Access Module, allowing the data portion to be removed or replaced without interrupting POTS services.

Fully configurable to support VDSL2, the Total Access 5000 VDSL2 Access Module also supports VDSL as well as full support of ADSL, ADSL2, and ADSL2+ technologies. Flexible and configurable, the VDSL2 Access Module allows operators to configure both upstream and downstream transmission rates or allows the interfaces to adapt to the best possible rates on the subscriber loop.

The Total Access 5000 VDSL2 Access Module is supported by the Total Access 5000 Switch Module, which provides the Ethernet switching for the Total Access 5000 system. Due to the evolution of networks and customers from ATM ADSL to Ethernet based VDSL, the Total Access 5000 offers support for ATM-based ADSL traffic (when the VDSL2 port is in ADSL mode) to be mapped directly into an Ethernet network via the Switch Module's Gigabit Ethernet interface(s). When deployed in standard VDSL or VDSL2 modes, Ethernet frames are used from the core network to the customer, providing a simplified provisioning model.

The VDSL2 access module also incorporates flexible 2-port bonding schemes allowing operators to deploy legacy ADSL2+ 2-port ATM bonded services as well as advanced VDSL2 and ADSL2+ 2-port PTM bonded services to the customer premises.

Front panel LEDs include power, card status and loop status for each subscriber loop. The access modules support craft interface management via the Total Access 5000 System Controller Module (SCM). More comprehensive management is available using the Total Access Element Management System (EMS). All provisioning data is supported through the SCM communications link. All provisioning data is stored in nonvolatile memory for recovery after a power loss and optional auto-provisioning is supported via the SCM.



Smart Solutions for a
Connected World.





ADTRAN, Inc.
901 Explorer Boulevard
Huntsville, AL 35806

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

256 963 8000 voice
256 963 8030 fax

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
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

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



TL19.1270



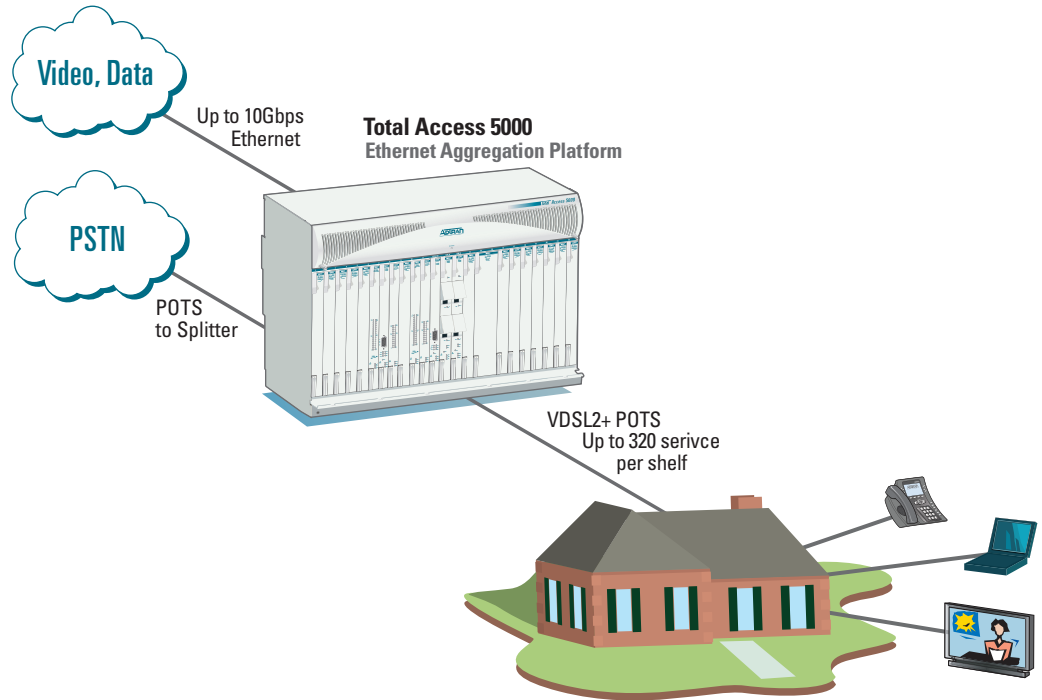
ADTRAN is an ISO 9001, ISO 14001 and a TL 9000 certified supplier.

61187121L1-8B June 2011
Copyright © 2011 ADTRAN, Inc.
All rights reserved.

32-Port VDSL2 Access Module



Total Access 5000 32-Port VDSL2 Access Module



Product Specifications

Mechanical

- **Dimensions:** 9.25" H x 0.8" W x 9.25" D
- **Mounting:** 32-Port VDSL2 Splitter Module slotted in even number slots; VDSL2 32-Port access module slotted in odd number slots

Interfaces

- **Network Interface:** via Switch Module
- **Subscriber Interfaces:**
 - ADSL
 - ADSL2
 - ADSL2+
 - VDSL ITU G.993.1
 - VDSL2 ITU G.993.2
 - VDSL2 ITU G.998.2
- **Physical Interface:**
 - Requires AMIO2 CH64 PUSH THROUGH (P/N 1187450G1), Female CH64 connector for subscriber termination
 - Utilizes CAT5e pin-out for cross-talk minimization

Regulatory Standards

- NEBS Level 3
- GR-1089 CORE
- GR-63 CORE
- NRTL Listed
- FCC Part 15

Management

- Remote management through SNMP and CLI
- Ethernet interface for SNMP and CLI
- TL1 for alarm generation for Telcordia NMA support

Environmental

- **Operating Temperature:** -40°C to +65°C
- **Storage Temperature:** -40°C to +70°C
- **Relative Humidity:** Up to 95%, noncondensing

Ordering Information

Equipment	Part #
Total Access 5000 VDSL2 32-PORT AM	1187121L1
Total Access 5000 SPLTR VDSL2 32-PORT AM	1187125L1

Specifications subject to change without notice. ADTRAN and Total Access are registered trademarks of ADTRAN, Inc. All registered trademarks and trademarks mentioned in this publication are the property of their respective owners.