Total Access 5006

Multi-service Access Node

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Product Features

- Gigabit-compliant FTTH services architecure
- Advanced Service Delivery—IPTV, VoIP, Business Ethernet
- Native Ethernet core
- TDM, ATM and Ethernet network interfaces
- Copper and fiber transport and access
- Fully redundant, carrier-class design
- Digital and metallic test access
- Multiple network management capabilities with full FCAPS support
- Supported by ADTRAN AOE Service Management

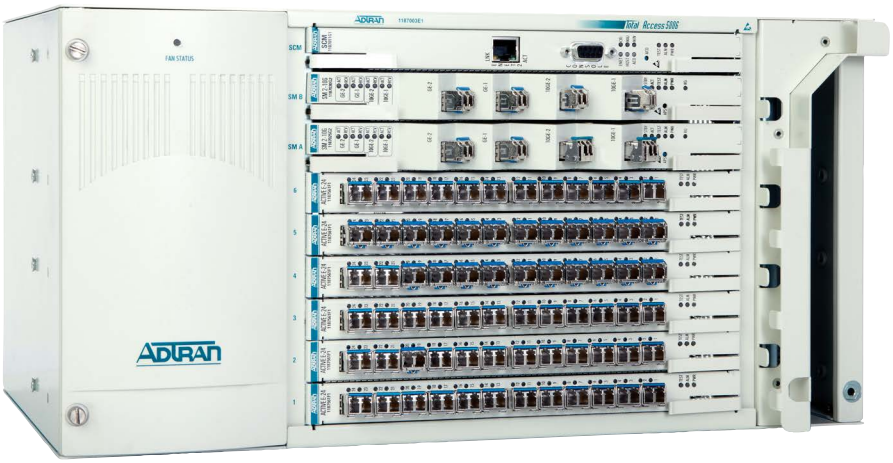
The ADTRAN® Total Access® 5006 is a carrier class Multi-Service Access Node (MSAN) that bridges the gap between the existing and the next generation networks. With a pure Ethernet core, the Total Access 5006 supports both legacy and emerging service interfaces over copper and fiber, easily scaling to support even the most bandwidth-intensive applications. The Total Access 5006 provides a clear migration path for traditional services, like voice, through its flexible network uplink options, including support for both TDM and VoIP switches. In addition to supporting both legacy and next generation access interfaces, the Ethernet core of the Total Access 5006 provides a scalable and cost-optimized aggregation point in the network, with interfaces ranging from DS1 to 10 and 40 Gigabit Ethernet.

Environmentally hardened, the Total Access 5006 is designed with the service provider in mind and is equally capable of deployment in central office, remote terminal or remote node locations. Instead of a traditional fixed backplane architecture, the Total Access 5006 provides a truly scalable architecture that is designed to migrate with the network, providing flexible copper and fiber termination options based on network applications. With the simple change of a "personality module," equipment obsolescence can be avoided and network investments protected with a platform that is also physically capable of scaling to meet the network evolution, not only today but also tomorrow.

The Total Access 5006 supports a variety of access and line modules with supported applications including Broadband Digital Loop Carrier, Fiber-to-the-Home (FTTH), Fiber-to-the-Node (FFTN), Carrier Ethernet, Ethernet Aggregation, legacy business and residential aggregation, as well as next generation Optical Network Edge (ONE™) aggregation and transport. Integrated Ethernet transport options deliver flexible copper or fiber-based solution.

The Total Access 5006 supports a wide variety of management options. Transaction Language 1 (TL1) is used to communicate alarms with Telcordia's NMA Operations Support System (OSS). An Ethernet 10Base-T, 10/100Base-T, or standard RS-232 DB-9 connector is used for Telnet access and connection to SNMP networks. Additionally, the Total Access 5006 is supported by ADTRAN Advanced Operational Environment (AOE), providing a user-friendly Graphical User Interface (GUI).

The Total Access 5006 is designed for deployment in 19- or 23-inch relay racks and has six access module slots. Its small size of only 5RU makes it an ideal platform to address congested RTs in cabinet retrofit applications.



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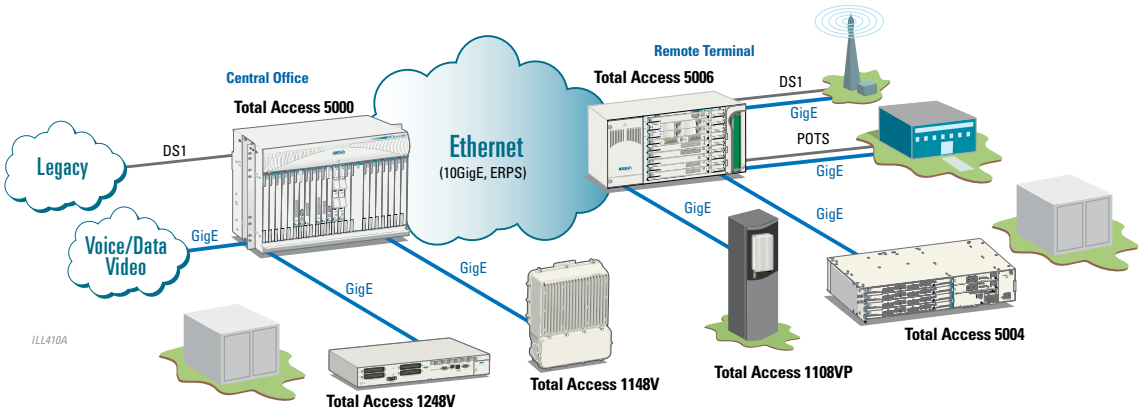

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Product Specifications

Mechanical

Dimensions

- **Height:** 8.75 in. (222.5 mm)
- **Width:** 17.5 in. (444.5 mm)
- **Depth:** 12 in. (300.mm)
- **Weight:** 22.4 lbs. (10.2 kg.)

Interfaces

- **Transport:** Ethernet
- **Physical:** 50-pin AMP, 64-pin AMP, SFP

Regulatory Standards

- NEBS
- GR-1089 CORE
- GR-63 CORE
- NRTL Listed
- FCC Part 15
- RoHS 6 of 6

Management

- **Electrical:** DB-9 RS-232 Electrical Interface
- **Ethernet:** 10/100Base-T Interface
- **Protocols:** SNMP, TLI, XML, Telnet, SSHv2

Environmental

- **Operating Temperature:** -40° F to 149° F (-40° C to 65° C)
- **Storage Temperature:** -40° F to 158° F (-40° C to 70° C)
- **Relative Humidity:** Up to 95%, Non-condensing

Ordering Information

Equipment	Part No.
Total Access 5006 Chassis	**1187003F2**
Total Access 5006 SMI03	**1187052G1**
Total Access 5006 Fan Module	**1187090E1**
Total Access 5006 High Flow Rear Fan	**1187090G3**
Total Access 5006 Fan Filter	**1187091E1**
Commons	
Total Access 5000 2nd Gen SCM	**1187010G2**
Total Access 5000 Bridging SCM	**1187011G1**
Total Access 5000 2 GigE	
without Ring Generator	**1187020G1**
with Ring Generator	**1187020G2**
Total Access 5000 2-10G/2-1 GigE	
without Ring Generator	**1187025G1**
with Ring Generator	**1187025G2**
Total Access 5000 SM5 2-10G/2-1G	
without Ring Generator	**1187030G1**
with Ring Generator	**1187030G2**
without Ring Generator 1558v2	**1187030G3**
Total Access 5000 SM40 4x10G, without Ring Generator	**1187040F1**

TL9000 TL.19.1270

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

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