

Total Access

5000

Multi-service Access and Aggregation



Benefits

- 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 (TL1, XML, SNMP and Telnet) including full FCAPS support
- ERPS and RPR Ethernet Ring support
- Supported by ADTRAN AOE Service Management

Overview

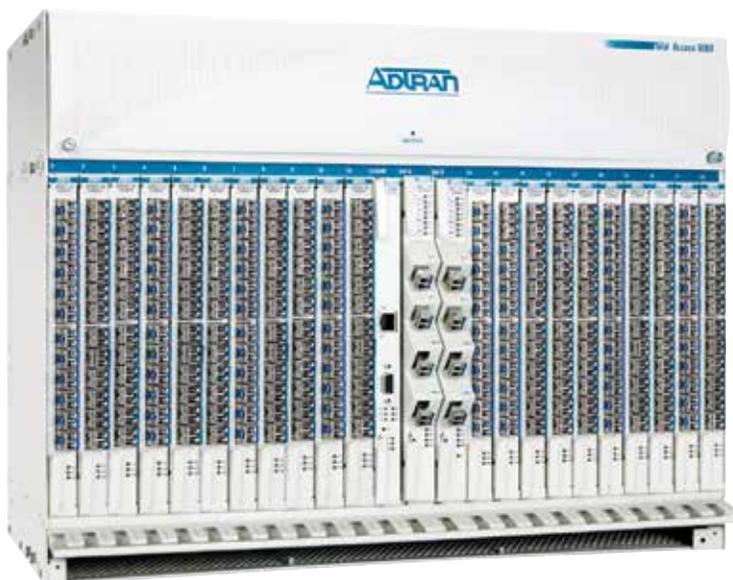
The ADTRAN® Total Access® 5000 is a carrier-class, multi-service access and aggregation platform that bridges the gap between existing and next-generation networks. With a pure Ethernet core, the Total Access 5000 supports both legacy and emerging service interfaces over copper and fiber, easily scaling to support even the most bandwidth-intensive applications. The Total Access 5000 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 5000 provides a scalable and cost-optimized aggregation point in the network, with interfaces ranging from DS1 to 10 and 20 Gigabit Ethernet.

Environmentally hardened, the Total Access 5000 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 5000 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 investment protected with a platform that is also physically capable of scaling to meet the network evolution of today and tomorrow.

The Total Access 5000 supports a variety of access and line modules for applications including Broadband Digital Loop Carrier, Fiber-to-the-Home (FTTH), Fiber-to-the-Node (FTTN), 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 solutions.

The Total Access 5000 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 5000 is supported by ADTRAN Advanced Operational Environment (AOE), providing a user-friendly Graphical User Interface (GUI).

The Total Access 5000 is designed for deployment in 23-inch relay racks and has 22 access module slots.



TOTAL ACCESS 5000

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Product Specifications

Mechanical

Dimensions

- Height: 15.75 in.
- Width: 21.5 in.
- Depth: 12 in.
- Weight: 75 lbs.

Interfaces

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

Electrical

- DC Power: -42 to -56 VDC
- Connection: Screw Terminals (A and B Feed)

Regulatory Standards

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

Management

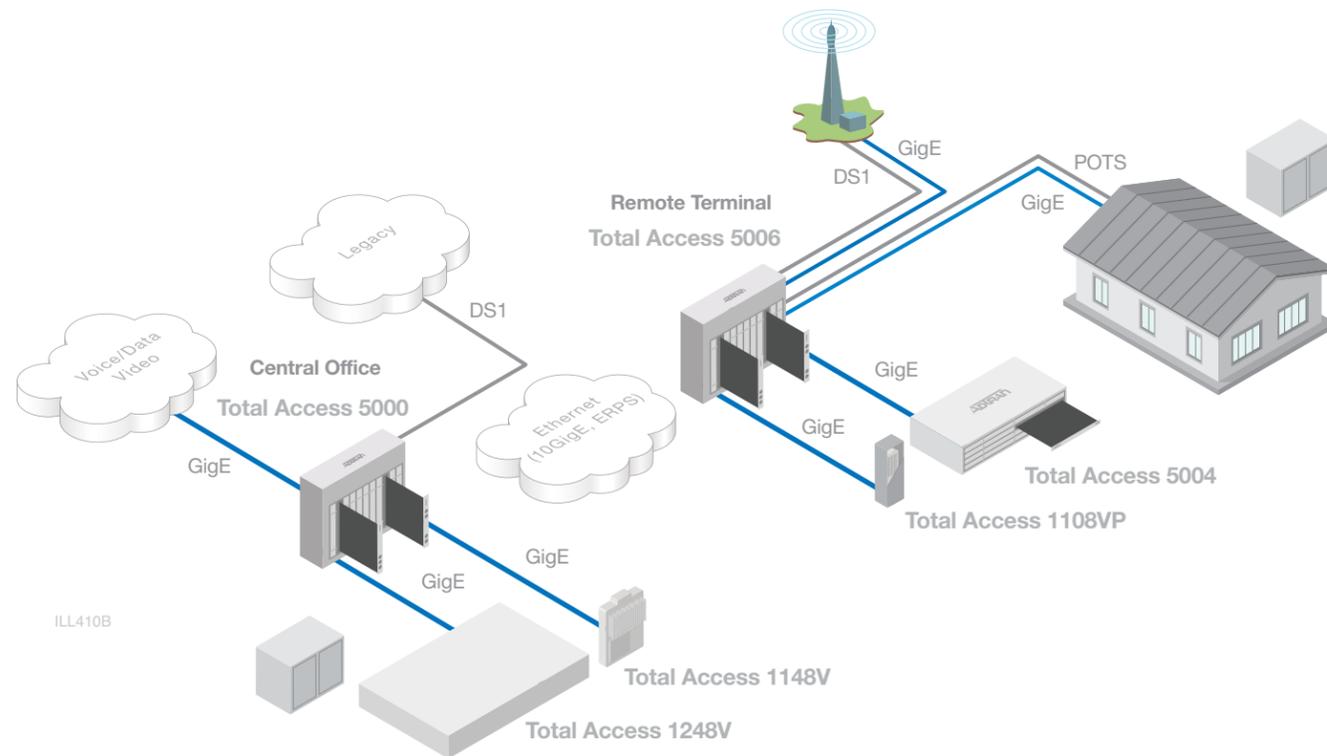
- Electrical: DB-9 RS-232 Electrical Interface
- Ethernet: 10Bt Interface
- Protocols: SNMP, TLI, XML and Telnet

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 5000 Chassis	1187001G1
Total Access 5000 SMI03	1187051G1
Total Access 5000 23-inch Fan Module	1187080G1
Total Access 5000 High Flow TOP Fan	1187080G2
Total Access 5000 High Flow REAR Fan	1187080G3
Total Access 5000 Fan Filter	1187081G1
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





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