

Total Access 5006

Multi-service Access and Aggregation



Product Features

- Advanced Service Delivery— IPTV, VOIP, Business Ethernet
- Native Ethernet core
- TDM, ATM and Ethernet network interfaces
- Copper and fibre transport and access
- Fully redundant, carrier-class design
- Digital and metallic test access
- Multiple network management capabilities with full FCAPS support
- ERPS and RPR
- Supported by ADTRAN AOE Service Management

The ADTRAN Total Access 5006 is a carrier class multi-service access and aggregation platform 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 fibre, 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 5000 provides a scalable and cost-optimised aggregation point in the network, with interfaces ranging from E1 to 10 and 20 Gigabit Ethernet.

Environmentally hardened, the Total Access 5006 is designed with the service provider in mind and is equally capable of deployment in central exchange or remote street cabinet 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 fibre termination options based on network applications. With the simple change of a “personality module,” equipment obsolescence can be avoided and network Multi-service Access

and Aggregation Total Access 5006 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 5000 supports a variety of access and line modules with supported applications including Broadband Digital Loop Carrier, Fibre-to-the-Home (FTTH), Fibre-to-the-Cabinet (FTTC), 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 fibre-based solution.

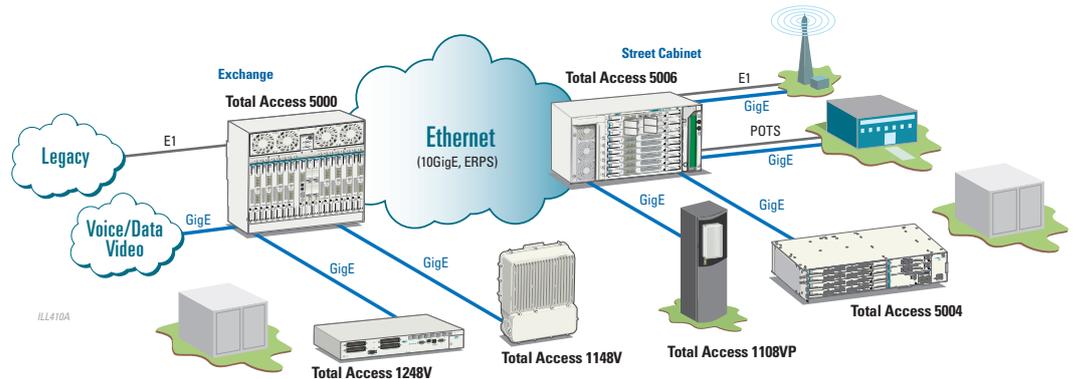
The Total Access 5006 supports a wide variety of management options. Extensible Markup Language (XML) is used to communicate alarms with a service provider’s Operations Support System (OSS). An Ethernet 10Base-T, 10/100Base-T, or standard RS-232 DB-9 connector is used for Telnet access and connection 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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Product Specifications

Mechanical

Dimensions

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

Interfaces

- Transport: Ethernet
 - Physical: 72-pin FCI*, SFP
- * ADTRAN does provide 72-pin FCI to stub cables, see ordering information

Regulatory Standards

- Safety
- EN60950-1
- IEC60950-1
- AS/NZS60950
- EMC (ETSI EN 300 386)
- Environmental (ETSI EN 300 019)
- ETSI 300 7535

Management

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

Environmental

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

Ordering Information

Equipment	Part No.
Total Access 5006 19 in. Chassis	1188003G2
Total Access 5006 Fan Module	1188090G1
Total Access 5006 Clock/Power Module	1188062G1
Total Access 5006 Fan Filter	1187091E1
<i>Commons</i>	
Total Access 5000 2nd Gen SCM INTL	1188010G2
Total Access 5000 Bridging SCM INTL	1188011G1
Total Access 5000 2 GigE without Ring Generator	1187020G1
Total Access 5000 2-10G/2-1 GigE without Ring Generator	1187025G1
Total Access 5000 SM5 2-10G/2-1G without Ring Generator	1187030G1
Total Access 5000 SM5 2-10G/2-1G 1588v2	1187030G3
Total Access 5000 SM40 4x10G, without Ring Generator	1187040F1



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

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