Total Access 5000
Multi-service Access and Aggregation

Product Features

- Native Ethernet core
- 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 Ethernet Ring support
- Supported by ADTRAN AOE Service Management

The ADTRAN Total Access 5000 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 5000 supports both legacy and emerging service interfaces over copper and fibre, 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-optimised aggregation point in the network, with interfaces ranging from E1 to 10 and 20 Gigabit Ethernet.
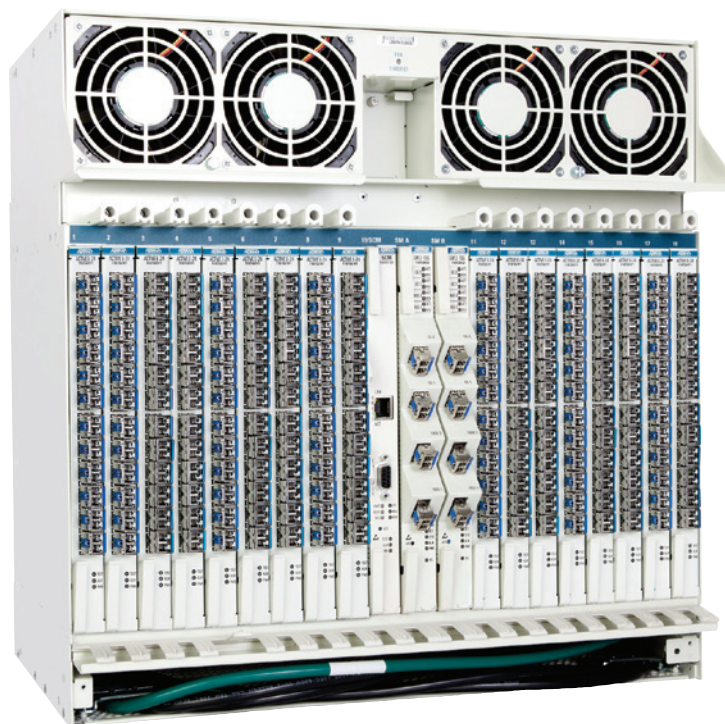
Environmentally hardened, the Total Access 5000 is designed with the service provider in mind and is equally capable of deployment in central exchange or remote street cabinet locations. Instead of a traditional fixed backplane architecture, the Total Access 5000 provides a truly scalable architecture that is designed to migrate with the network, providing flexible copper and fibre termination options based on network applications. With the simple Multi-service Access and Aggregation Total Access 5000 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 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 5000 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 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.

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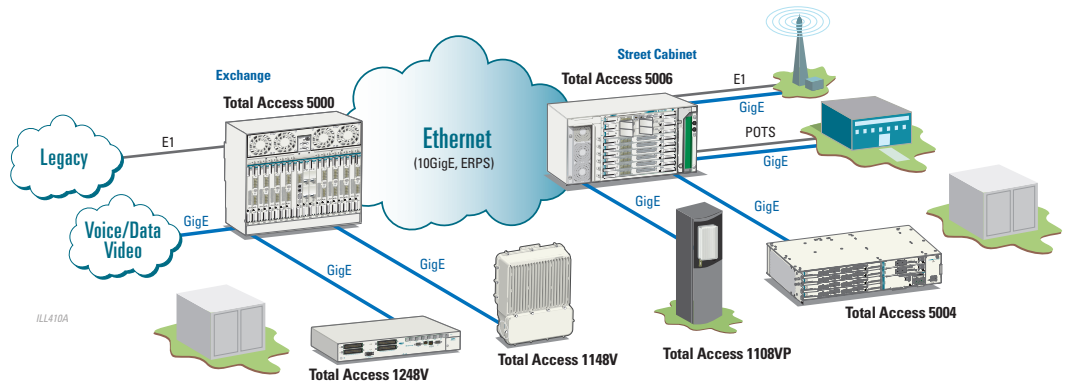**West/North Europe**
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Product Specifications

Mechanical

Dimensions

- **Height:** 445 mm
- **Width:** 480 mm
- **Depth:** 300 mm
- **Weight:** 75 lbs.

Interfaces

- **Transport:** Ethernet, ATM
- **Physical:** SFP, 72-Pin High Density FCI Connector for most modules

Electrical

- **DC Power:** -40 VDC to -56.7 VDC
- **Connection:** Screw Terminals (A and B)

Regulatory Standards

- EN 60950-1
- AS/NZ 60950
- IEC 60950-1
- EN 300 386

Management

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

Environmental

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

Ordering Information

Equipment	Part No.
Total Access 5000 19 in. Chassis	**1188001G1**
Total Access 5000 Fan Module	**1188085E1**
Total Access 5000 Fan Filter for 19 in. Chassis	**1188081E1**
Total Access 5000 Fibre Manager INTL	**1188940G1**
Total Access 5000 ETSI Brackets 21 in.	**1188070F1**
Commons	
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**