

Total Access 5000 Series

5000 Enhanced Chassis (ETSI)

Fibre Access and Aggregation Platform



FTTH



10 Gbps



Scalable



Temperature Hardened



Open Architecture

Benefits

- Native IP/Ethernet Core
- Multiservice Support: GPON, XGS-PON, Combo PON, Active Ethernet, Carrier Ethernet, and Triple-Play Services
- Scales up to 17,000 Subscribers Per Chassis
- Non-Blocking, Multi-Terabit Switching
- Open SDN Management via Mosaic Cloud Platform Plugin and Traditional EMS
- Environmentally Hardened for Cabinet Deployments

Overview

The Adtran Total Access 5000 (TA5000) Series is the industry's market-leading 10G Fibre Access and Aggregation platform. It simplifies high-capacity broadband service delivery regardless of density, topology, application, or technology need.

With a pure IP/Ethernet core, the Total Access 5000 fibre access platform supports more than seven fibre access technologies and easily scales to support even the most bandwidth-intensive applications in a compact 10RU form factor. In addition, the Total Access 5000 supports highly scalable, integrated aggregation utilising multiple 10GE, 40GE, and 100GE interfaces.

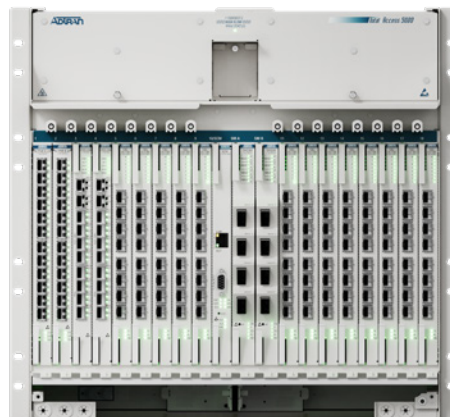
Environmentally hardened, the Total Access 5000 can be deployed in central exchanges or remote street cabinets to expand multi-gigabit services to urban, suburban, and rural areas.

The Total Access 5000 platform includes a highly scalable, multi-terabit non-blocking architecture that is designed to evolve with the network. This provides flexible fibre options in a truly diverse network application driven by service provider needs.

The Total Access 5000 supports GPON, XGS-PON, Combo PON (GPON+XGS-PON), Point-to-Point Active Ethernet modules, and dedicated Carrier Ethernet services among others. This enables delivery of multi-gigabit residential, business, and mobile backhaul services from the same platform. The Total Access 5000 supports up to 17 temperature-hardened access module slots, with integrated Nx40GE/100GE support to each slot, providing a comprehensive solution to launch and expand full-fibre networks.

The Total Access 5000 Series can be managed via the Adtran Mosaic Cloud Platform, our SDN control and orchestration solution, or the Advanced Operational Environment (AOE), a traditional element management system.

The Total Access 5000 Series works in concert with the Adtran suite of residential CPE which includes our latest Wi-Fi 5/6 Service Delivery Gateways, FTTH Gateways, Mesh Wi-Fi, and a comprehensive portfolio of indoor and outdoor XGS-PON and GPON ONTs. The Total Access 5000 is designed for deployment in 19-inch (483 mm) and 21-inch (533 mm) relay racks.



5000 ENHANCED CHASSIS (ETSI)

Product Specifications

Interfaces

- Uplink (Switch Module Dependent)
 - SM40: 4x1/2.5/10GE
 - SM200: 2x100GE, 2x40GE (breakout mode enabled)
- Management (System Controller Module)
 - Craft Serial Port: DB-9 Connector with RS-232 Interfaces
 - Ethernet Port: 10/100Base-T

Applications and Services

- 10G FTTH for Gigabit and Multi-gigabit Broadband
- Optical Networking Edge for Premium (SLA) 10G Services, Aggregation, and Transport
- Carrier Ethernet Services Over any Medium

Physical

- Dimensions: 445 mm x 440 mm x 300 mm (H x W x D)
- Weight: 9.5 kg
- 10 Rack Units

Management

- Mosaic Software Suite
- Advanced Operational Environment
- Remote Management Through SNMP, CLI, and Webservice APIs (HTTPS)
- Ethernet Interface on SCM for Web and Telnet/SSH Access (in-band or out-of-band)
- Craft and Ethernet Interfaces on SCM

Environmental

- Operating Temperature: -40° C to +65° C
- Storage Temperature: -40° C to +85° C
- Relative Humidity: Up to 95%, Non-Condensing

Electrical

- Nominal Powering Voltage: -48 VDC
- Power Terminal: Redundant A and B Power Feeds

Regulatory Standards

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

Ordering Information

Equipment	Part No.
Total Access 5000 Enhanced Chassis Kit (Includes Chassis, SCM, Redundant SM40s, High-Flow Fan and Fibre Manager)	41885K4011F1HF
Total Access 5000 Enhanced Chassis Kit (Includes chassis, SCM, Redundant SM200s, High-Flow Fan and Fibre Manager)	41885K20011F1HF
Common Modules	
Total Access 5000 SCM	1188011F3
Total Access 5000 SM40 4x10GE (SFP+)	1187041F1
Total Access 5000 SM200 2x100GE (QSFP28) + 2x40GE (QSFP+)	1187045F1
Spares & Accessories	
9500 Blank Panel for SCM	1759500SCF1BL
9500 Blank Panel for PIM/LIM	17595PMF1BL
Front-to-Back Fan Module	11971012F1

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