



Total Access 1100F

Outside Plant Fiber and Ethernet Aggregation unit

Product Features

- Sealed GR-487 compliant unit
- Dual Optical GigE Network feeds
- Networks with Total Access 1124 or 1148 DSLAM for fiber deployment
- 7 Gbps switching capacity
- Easily configurable for both electrical and optical expansion interfaces
- Priority Queuing (802.1p)
- Integrated Security Support
- Replication of Multicast Traffic
- Supports IEEE 802.1Q-in-Q VLAN Tagging
- Compact size (8"W x 9"H x 3"D)
- Line power from CO using 1 to 4 powering pairs – requires no AC or battery backup
- Line powering can extend to 60,000 feet
- Local powering –48 VDC and 110 VAC options
- Remotely provisioned and managed through TL1, Telnet, SNMP, or Total Access EMS; saves truck dispatch cost
- Passively cooled, no fan or filter required

The key to customer retention and continued revenue growth is to offer new, higher bandwidth services to your customers. The Total Access® 1100F offers higher bandwidth delivery and cost improvement for next generation services.

The Total Access 1100F is an Outside Plant hardened Ethernet aggregation unit. It serves up to four Total Access 1100 Series OSP DSLAMs, logically combining them into a single, high-bandwidth Ethernet/IP DSLAM. The Total Access 1100F provides the high bandwidth uplinks, Ethernet aggregation functions, fiber and copper system interconnects, and video enabling functions like IGMP proxy and replication multicast. Additionally, it provides an array of security features needed to enable and protect triple play service delivery through Total Access 1100 Series OSP DSLAMs. Carriers can deploy Total Access 1100 Series OSP DSLAMs today and migrate to triple play service delivery with the simple addition of the Total Access 1100F.

The Total Access 1100F is enclosed in an environmentally sealed housing that is fully OSP compliant. A single unit will support up to four Total Access 1100 Series OSP DSLAMs for a total subscriber density of up to 192

ports. Dual GigE network uplinks are provided to interface the core switch/router. Six SFPs within the 1100F case support a wide variety of SFP plug-in modules for deployment flexibility.

The Total Access 1100F provides VLAN tagging in accordance with IEEE 802.1Q specifications and prioritizes traffic based on IEEE 802.1p bits of the VLAN tag. Access technologies supported include ADSL, ADSL2, ADSL2+ and VDSL2 through appropriate Total Access 1100 Series OSP DSLAMs.

The Total Access 1100F and associated Total Access 1100 Series OSP DSLAMs are managed as a single unit either through a local interface on the Total Access 1100F or remotely through TELNET or SNMP. The OSP DSLAM is fully supported by the Total Access EMS, with remote management communication accomplished through SNMP. ADTRAN's Total Access EMS provides comprehensive management for ADTRAN's complete DSLAM product line.

Total Access Systems®

ADTRAN®

ADTRAN, Inc.
901 Explorer Boulevard
Huntsville, AL 35896

P.O. Box 140000
Huntsville, AL 35814-0000

258 963 9000 voice
258 963 8300 fax
877 457 5007 fax back

General Information
800 ADTRAN
info@adtran.com
www.adtran.com

Pre-Sales
Technical Support
888 ADTRAN
support@adtran.com
www.adtran.com/support

Where to Buy
800 827 0807
www.adtran.com/where2buy

Post-Sales
Technical Support
800 728 9963
support@adtran.com
www.adtran.com/support

Regional Offices
Dallas, TX
972 530 9070
Denver, CO
303 471 9150
Kansas City, KS
820 471 9949
Newark, NJ
908 471 9956
Ontario, Canada
416 250 0585
Quebec, Canada
877 923 8726
San Antonio, TX
888 223 7671

International Inquiries
+1 258 963 9716 voice
+1 258 963 8300 fax
info@adtran.com
www.adtran.com/international



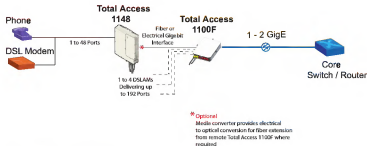
ADTRAN is an ISO 9001, ISO 14001
and a TL 9000 certified supplier

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Total Access 1100F

Total Access Systems™

OSP GigE Aggregation Unit



Product Specifications

Interfaces

Network

- Two (2) modular optical GigE network feeds (SFP IEEE 802.3 compliant)

Subscriber

- Four (4) SFP interfaces for electrical or optical extensions

Mechanical

- Dimensions: 8 in. H x 9 in. W x 3 in. D
- Weight: 15 lbs
- OSP mounting: Pole, pedestal, cross-box, remote terminal
- Indoor mounting: SMB and MDU applications

Management

- Local: Local craft interface via VT100 terminal
- Remote: TL1, Telnet, SNMP, Total Access EMS

Power

- Span powered
- Local 110 VAC powered
- Local -48 VDC powered

Electrical

- Line fusing: 1.5 amp
- Line power: 1 to 4 line-powered pairs

Regulatory Standards

- NRRL Safety Listed
- GR-487-CORE, Issue 2

Environmental

- Operating temperature: -40°C to +75°C
- Storage temperature: -40°C to +85°C
- Relative humidity: 95 percent, noncondensing

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Protocol Specifications

- IGMP Proxy v2 (RFC 3376) with throttling/filtering
- IEEE 802.1Q VLANs
- IEEE 802.1Q "p" bit priority queuing
- RFC 2684 bridged encapsulation
- Private VLAN support
- MAC address filtering and limiting
- PPPoE intermediate agent (IWT-101)
- Proxy ARP
- VLAN ID remapping
- DHCP proxy and option 82 (RFC 3046)

Ordering Information

Equipment	Part #
Total Access 1100F, Local -48 VDC Powered, with SFP Expansion Port	1179760L1
Total Access 1100F, Line Powered, with SFP Expansion Port	1179760L2
Total Access 1100F, AC Powered, with SFP Expansion Port	1179760L3
E/O Media Converter, Local -48 VDC Powered	1179761L1
E/O Media Converter, Line Powered	1179761L2
E/O Media Converter, AC Powered	1179761L3
Total Access 1100F, Local -48 VDC Powered, with Electrical Expansion Port	1179762L1
Total Access 1100F, Line Powered, with Electrical Expansion Port	1179762L2
Total Access 1100F, AC Powered, with Electrical Expansion Port	1179762L3