



Total Access 1200F

Rackmount Ethernet Aggregation Unit

Product Features

- 19" or 23" rackmountable
- Dual Optical or Copper GigE Network feeds via SFP Modules
- Networks with Total Access 1248 or Total Access 1148 DSLAMs for fiber deployment
- 6 Gbps switching capacity
- Easily configurable for both electrical and optical expansion interfaces
- Priority Queuing (802.1p)
- 801.q-in-q VLAN tagging (802.1ad)
- Integrated security support (blocks direct port-to-port traffic)
- Replication of multicast traffic
- Local -48 VDC powered
- Remotely provisioned and managed through TL1, Telnet, SNMP, or Total Access EMS; saves truck dispatch cost
- Industry-leading, 10-year warranty

The key to customer retention and continued revenue growth is to offer new, higher bandwidth services to your customers. The Total Access® 1200F offers higher bandwidth delivery and cost improvement for next-generation services.

The Total Access 1200F is a 1U high rack-mount Ethernet aggregation unit. It serves up to four Total Access 1248 Mini-DSLAMs or 1148 OSP DSLAMs, logically combining them into a single, high-bandwidth Ethernet/IP DSLAM. The Total Access 1200F provides high-bandwidth uplinks, Ethernet aggregation functions, fiber and copper system interconnects, and video-enabling functions like Internet Group Management Protocol (IGMP) proxy for multicast replication. Additionally, it provides an array of security features needed to enable and protect triple-play service delivery through Total Access 1248 or Total Access 1148 DSLAMs. Carriers can deploy Total Access 1248 or 1148 IMA-fed DSLAMs today and then migrate to triple-play service delivery with the simple addition of the Total Access 1200F.

A single unit will support up to four Total Access 1248 or 1148 DSLAMs for a total subscriber density of up to 192 ports. Dual Gigabit Ethernet (GigE) network uplinks are provided to interface the core switch-router via two Small Form-factor Pluggable (SFP) slots. Four SFP slots are available for subtending Total Access 1248/1148 DSLAMs. Access technologies supported include ADSL, ADSL2, ADSL2+, and VDSL2, through appropriate Total Access 1248/1148 DSLAMs.

The Total Access 1200F and associated Total Access 1248/1148 DSLAMs are managed as a single unit either through a local interface on the Total Access 1200F or remotely through Telnet or SNMP. The Total Access 1200F is fully supported by the Total Access Element Management System (EMS), with remote management communication accomplished through SNMP. ADTRAN's Total Access EMS provides comprehensive management for ADTRAN's complete DSLAM product line.

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

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Total Access® 1200F

Total Access Systems™

Rackmount Ethernet 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
- Four (4) fixed electrical interfaces
- DB-9 craft interface
- DB-15 Alarm interface, input/output
- 10Base-T Ethernet management interface

Mechanical

- **Dimensions:** 1.75 in. H x 17.25 in. W x 10 in. D
- **Weight:** 6 lbs
- **Mounting:** Can be mounted in either a flush-mount or mid-mount orientation in either a 19-inch or 23-inch rack.

Management

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

Power

- -42 VDC to -56 VDC

Regulatory Standards

- NEBS Level 3
- GR-1089-CORE, Issue 3
- GR-63-CORE, Issue 2
- NRTL Safety Listed
- FCC Part 15

Environmental

- **Operating temperature:** -40° C to +70° C
- **Storage temperature:** -40° C to +85° C
- **Relative humidity:** 95 percent, non-condensing

Protocol Specifications

- IGMP proxy v2
- IEEE 802.1P "p" bit priority queuing
- RFC 2684 bridged encapsulation
- MAC address filtering and limiting
- PPPoE intermediate agent
- Proxy ARP
- DHCP proxy and Option 82 (RFC 3046)

Ordering Information

Equipment	Part #
Total Access 1200F	1179660L1
E/O OSP Media Converter, Local -48 VDC Powered	1179761L1
E/O OSP Media Converter, Line Powered	1179761L2
E/O OSP Media Converter, AC Powered	1179761L3
Total Access 1248 Client with IP Code	1179641L6
Total Access 1148 Client with IP Code, -48 VDC Powered	1179740L4
Total Access 1148 Client with IP Code, 110 VAC Powered	1179740L5
Total Access 1148 Client with IP Code, Line Powered	1179740L6
Total Access 1200F to Total Access 1148 Client Cable	1179826L1



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