IP Mini-DSLAM

Total Access 1250 IP Mini-DSLAM

Product Features

- Cost-effective DSLAM for CO, CEV, MDU, RT, and customer premises applications

- 24 ports of ADSL plus baseband POTS

- DMT, G.Lite, and T1.413 modulations

- Front panel access to all connections

- Two field replaceable GMT-type 3 amp fuses

- POTS service is not power dependent

- Provisioning and alarm monitoring via SNMP/ASCII text and TL1 through the local craft interface and in-band management channel

- 10/100Base-T network uplink with RFC 1483

Carriers are seeking cost-effective DSLAM solutions to meet demand for additional customer applications. The ADTRAN Total Access 1250 is a temperature-hardened Mini-DSLAM that enables delivery of 24 ports of POTS and ADSL via an Ethernet 10/100Base-T interface from smaller Central Offices (COs), Controlled Environmental Vaults (CEVs), Multiple Dwelling Units (MDUs), and Remote Terminals (RTs). The ADSL is derived from the network interface and is combined via onboard splitters with the existing POTS service for single-pair subscriber delivery.

The Total Access 1250 offers a scalable network interface today with the Ethernet interface module. The IP interface module supports 1483/2684 bridging via either LLC/SNAP or VC MUX encapsulation. Statistics are collected on both the subscriber and network ports.

The compact, 1U high unit provides space savings while offering multiple options for placement within compact environments. Its design leverages existing telco resources and can be rackmounted, wallmounted, or vertically positioned within the RT. It measures 4.45 cm H x 43.82 cm W x 28.26 cm D and offers redundant power using –42 to –56 VDC.

The Total Access 1250 is equipped with fan modules and filters. Each fan unit is independently field replaceable. The fans are controlled by heat-sensing circuits and will run only when necessary. Front panel access is available to all connections.

The ability to connect to the Total Access 1250 via an IP uplink at the customer premises immediately improves the economics of broadband for businesses such as hotels, service-based organizations, and small-to-mid-sized enterprises (SMEs). Carriers benefit by expanding IP in their existing networks without costly ATM server installations. This is especially true for network applications that do not require the expense associated with ATM-QoS. In these cases, IP is more ubiquitous and cost-efficient for both intra- and inter-network operations.

Management options include SNMP, ACSII, TL1, Telnet, or local VT100 interfaces. Menu-driven interfaces are simple and intuitive, ensuring a successful service implementation through local and remote access.

ADTRAN's Total Access 1250 Mini-DSLAM brings cost-effective and space-efficient ADSL with POTS solutions to carriers providing subscriber services at rural CO, MDU, CEV, and RT sites.

Total Access System

ADTRAN

IP Mini-DSLAM

Total Access System

Total Access 1250 IP Mini-DSLAM

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10/100Base-T Ethernet — **Total Access 1250 Mini-DSLAM** — **24 ADSL+POTS**

24 POTS

Product Specifications

Front Panel Features
- **Five LEDs:** Power, ADSL, Network, Alarm, Ethernet
- **Two 50-pin Amphenol interfaces:** POTS, ADSL+POTS
- DB-9 craft interface
- DB-15 Alarm Interface, Input/Output
- RJ-45 uplink interface

Mechanical
- **Dimensions:** 4.45 cm H x 43.82 cm W x 28.26 cm D (1.75 in. H x 17.25 in. W x 11.13 in. D)
- **Weight:** 3.63 kg (8 lb)
- **Mounting:** Rackmount or Wallmount
  Can be mounted in either a flush mount or mid-mount orientation in either a 19-inch or 23-inch rack.

Interfaces
Network
- 10/100Base-T Ethernet
- PDTS

Subscriber
- ADSL+PDTS

Electrical
- -42 VDC to -56 VDC

Regulatory Standards
- NEBS Level 3
- CE Mark
- IEC 60950
- EN 60950
- EN 300 386-2

Management
- **Local:** ASCII – menu
- **Remote:** SNMP, TL1, 10Base-T Ethernet (future)

Environmental
- **Operating** -40°C to +70°C
- **Storage:** -40°C to +85°C
- **Relative humidity:** 95 percent, noncondensing

Ordering Information

Equipment	Part #
Total Access 1250 IP Mini-DSLAM	4179611L3
Total Access 1200 RDS Shelf, 19-inch, 24-port	1179601L1
Total Access 1250 IP Module	1179611L3