

ATM Mini-DSLAM



Total Access 1210 ATM Mini-DSLAM

Product Features

- Cost-effective DSLAM for CO, CEV, 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 ATM in-band management channel
- Inverse Multiplexing over ATM (IMA) for up to four E1 IMA links
- Interoperable with any E1 IMA device that is built to current IMA specifications which includes the Total Access 3000 IMA Aggregation System

Carriers want to deploy DSLAM solutions that can leverage their existing telecommunications resources. They are looking for solutions that control cost, promote efficiency, and simplify operations. The ADTRAN Total Access 1210 is a temperature-hardened DSLAM that enables delivery of 24 ports of POTS and ADSL from smaller Central Offices (COs), Controlled Environmental Vaults (CEVs), Multiple Dwelling Units (MDUs), and Remote Terminals (RTs). The ADSL is generated locally and placed, via onboard splitters, on the same pair as the corresponding POTS signal for delivery to the customer. The DSLAM performs Inverse Multiplexing over ATM (IMA) for up to four E1 IMA links.

ADTRAN has engineered a compact, 1U high unit that provides RT space savings while offering multiple options for placement within the RT. Design flexibility leverages existing facilities and enables the Total Access 1210 to be mounted as a rack, wall, or vertical positioned unit inside 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 1210 offers a scalable network interface today with the Quad IMA module. Future capabilities include Octal IMA, DS3, and STM-1. These modules assure easy deployment and dynamic network

utilization, as subscriber needs dictate. Using multiple shelves for a single network feed can scale the unit into a system-wide RT solution with up to 96 ports. It supports an ADSL service range of 18,000 feet.

Developed with ADTRAN's concern for carrier field needs, the Total Access 1210 has pre-installed fan modules complete with fan filters. Each fan module and fan filter is independently field replaceable. The fans are controlled by heat-sensing circuits and will run only when necessary. Front panel access is available for all connections. The unit is interoperable with any E1 IMA device that is built to current IMA specifications, which includes the Total Access 3000 IMA Aggregation System.

Management is made simple and convenient through a choice of SNMP, ASCII, TL1, or 10Base-T Ethernet support. Provisioning, alarms, and performance monitoring are provided through the local craft interface and ATM in-band management channel.

ADTRAN's Total Access 1210 Mini-DSLAM brings a cost-effective and efficient IMA, ADSL, and POTS solution to carriers providing subscriber services at rural CO, MDU, CEV, and RT sites.

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Product Specifications

Front Panel Features

- **Five LEDs:** Power, ADSL, Network, Alarm, T1/E1
- **Two 50-pin amphenol interfaces:** POTS, ADSL+POTS
- DB-9 craft interface
- DB-15 Alarm interface, input/output
- Four RJ-45 uplink trunks

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

- Quad IMA
- Octal IMA – future
- DS3 – future
- STM-1 – future
- POTS

Subscriber

- ADSL+POTS

Modulation Supported

- DMT
- G.Lite
- T1.413

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

Environmental

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

Ordering Information

Equipment	Part #
Total Access 1210 ATM Mini-DSLAM	4179611L1
Total Access 1200 RDS Shelf, 19-inch, 24-port	1179601L1
Total Access 1200 Quad IMA	1179611L1

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