48-Port IP Mini-DSLAM

Total Access 1248 GigE IP Mini-DSLAM

Product Features

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

- Up to 48 ports of ADSL plus baseband POTS

- ADSL, ADSL2, ADSL2+

- Front panel access to all connections

- POTS service is not power dependent

- Standard Gigabit Ethernet network interface

- Integral POTS splitters

- IGMPv2 Proxy multicast replication for video services

- Remotely provisioned and managed through TL1, Telnet, SNMP, or Total Access EMS saving truck dispatch cost

- Integral V.90 modem for out-of-band management

- Industry-leading 10-year warranty

In an effort to deploy next-generation services while leveraging the existing network infrastructures, carriers are looking for solutions that control cost, promote efficiency, and simplify operations. The ADTRAN® Total Access® 1248 is a temperature-hardened DSLAM that enables delivery of up to 48 ports of POTS and ADSL/ADSL2/ADSL2+ from smaller central offices, controlled environmental vaults, multiple dwelling units, and remote terminals.

The ADSL/ADSL2/ADSL2+ is generated locally and placed, via onboard splitters, on the same pair as the corresponding POTS signal for delivery to the customer. The IP DSLAM terminates a Gigabit Ethernet network connection for video and data. This compact, 1U high unit provides RT space savings while offering multiple options for placement within the RT. Design flexibility leverages existing facilities and enables the Total Access 1248 to be mounted as a rack, wall, or vertical positioned unit inside the RT. It measures 1.75 in. H x 17.25 in. W x 11.125 in. D and offers redundant power using -42 to -56 VDC.

Two different models of the 1248 Mini-DSLAM are available: one with a fixed 10/100/1000Base-T copper Gigabit Ethernet interface or an SFP module interface accepting copper or 1000 Base-X fiber SFP modules. The IP Mini-DSLAMs also incorporate a wide array of triple-play enabling features including Bonded ADSL2+, multicast replication, DHCP Option 82, and PPPoE Intermediate Agent. With a standard Gigabit Ethernet interface, the unit is interoperable with any Gigabit Ethernet aggregation switch or router. The Gigabit Ethernet uplink provides a non-blocking architecture to ensure adequate bandwidth for next generation services.

Developed with concern for carrier field needs, the Total Access 1248 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.

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 IP in-band management channel.

ADTRAN's Total Access 1248 IP Mini-DSLAM brings cost-effective and efficient ADSL and POTS solutions to carriers providing subscriber services at rural CO, MDU, CEV, and RT sites.

Total Access Systems™

ADTRAN®

48-Port IP Mini-DSLAM

Total Access Systems

Total Access 1248 GigE IP Mini-DSLAM

Product Specifications

Front Panel Features
- **LEDs:** Power, Network, Alarm,
- **Four 50-pin amphenol interfaces:** POTS, ADSL+POTS
- DB-9 craft interface
- DB-15 alarm interface, input/output
- V.90 modem interface

Mechanical
- **Dimensions:** 1.75" H, 17.25" W, 11.13" D
- **Weight:** 8 lbs.
- **Color:** Off-white
- **Mounting:** Can be mounted in either a flush mount or mid-mount orientation in either a 19-inch or 23-inch rack

Interfaces
Network
- Gigabit Ethernet (fixed copper or SFP-based fiber or copper)
- POTS

Subscriber
- ADSL2+ and POTS

Modulation Supported
- ANSI T1.413
- ITU G.992.1 (G.DMT)
- ITU G.992.2 (G.Lite)
- ITU G.992.3 (ADSL2)
- ITU G.992.4 (ADSL2 G.Lite)
- ITU G.992.5 (ADSL2+)
- ITU G.992.3 Annex L (READSL2)
- ITU G.998.1 Bonded ADSL2+ (G.Bond-ATM)

Electrical
- -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

Management
- **Local management:** ASCII – menu
- **Remote management:** SNMP, TL1, Telnet

Mounting Options
- Pad mount via template (available separately)
- Pole mount via kit (available separately)

Environment
- **Operating Temperature:** -40° to 70° C
- **Storage Temperature:** -40° to 85° C
- **Relative Humidity:** Up to 95%, non-condensing

Ordering Information

Equipment	Part #
Total Access 1248 GigE 48-port, IP Mini-DSLAM with SFP Interface	1179641AL2
Total Access 1248 GigE 48-port, IP Mini-DSLAM with 10/100/1000Base-T Interface	1179641AL3

Total Access 1248 Back Panel (1179641AL2)

Total Access 1248 Back Panel (1179641AL3)