



DSLAM Splitter Shelf

Total Access 3050 DSLAM Splitter Shelf

Product Features

- Up to 28 Octal ADSL with POTS splitter modules per chassis
- Supports ADSL, ADSL2+, and VDSL2
- Total Access 3000 DSLAM integration
- ANSI T1.413 compliant
- Four-pole splitter design with no active components on the splitter modules
- *Make-before-break* connectors to maintain always-on POTS
- Rugged NEBS-compliant metal design with latched, hinged, metal front cover for easy design
- Filtered airflow maintained from the front of the chassis
- SHDSL, IMA, IDSL, DS1 FR, CES, and DSX-1 service accommodation
- Industry-leading, 10-year warranty

Asymmetric Digital Subscriber Line (ADSL and ADSL2+) is the prominent DSL service offered by telecom carriers and continues to be delivered in conjunction with Plain Old Telephone Service (POTS). The extraordinary demand for ADSL service has accelerated the demand for higher-density equipment. Furthermore, as the demand for VDSL2 grows, both splitter and non-splitter applications will be required.

The ADTRAN® Total Access® 3050 is designed to meet this demand by providing the ADSL/VDSL and POTS signal splitting/combining function. It is configured to integrate with the Total Access 3000 DSLAM using 28 Octal splitters or *cut-through* modules per chassis and is ANSI T1.413 compliant. The shelf is a solid metal design with a latched, hinged, metal front cover for easy access. A filtered airflow is maintained from the front of the chassis. The Total Access 3050 utilizes a four-pole splitter design and no active components are on the standard splitter modules. No direct current (DC) blocking capacitor is required.

ADTRAN designs products that maximize functionality for its carrier customers. In that regard, the Total Access 3050 accommodates other service cards such as SHDSL, IMA, IDSL, DS1 FR, CES, and DSX-1. These can be

utilized by installing a cut-through module instead of a splitter module in the corresponding shelf.

The unit uses make-before-break connectors to maintain POTS connectivity and operate normally without a splitter module installed. Connection to the Total Access 3000 DSLAM is established using 64-pin connectors.

The rear of the shelf has twenty 50-pin and eight 64-pin amp connectors, one DB-25 connector for Metallic Test Access (MTA), and one RS-485 wire-wrap bus for daisy chaining splitter shelves. There is a standard power connector for -48 V, -48 V return, and chassis ground.

The system will also support MTA. With the addition of the metallic test control module and modules with MTA, the shelf will interface with metallic test heads and provide access to the loops. There are MTA modules for both ADSL and cut-through applications.

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Product Specifications

Front Panel Features

- Shelf has latched, hinged, metal front cover
- Filter for the Total Access 3000 in the front cover

Mechanical

- **Dimensions:** 6 in. H x 23/19 in. W x 12 in. D
(15.24 cm H x 58.42/48.26 cm W x 30.48 cm D)
- **Weight:** 2 lb (0.907 kg)
- **Mounting:** 4 RU

Interfaces

Management Interface

- RS-485

MTA Interfaces

- **POTS:** 50-pin amp
- **ADSL+POTS:** 50-pin amp
- **ADSL Interface to Total Access 3000:** 64-pin amp

Electrical

- Operates from A or B
- -42 to -56 VDC

Regulatory Standards

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

Management

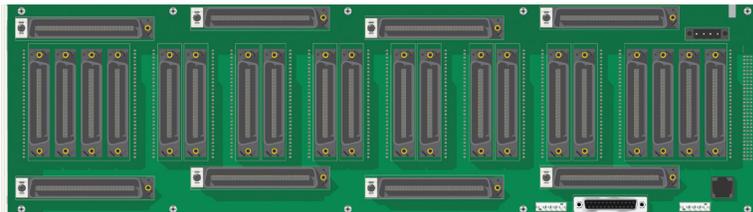
- **Remote management:** TL1 via Total Access 3000

Environmental

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

Ordering Information

Equipment	Part #
Total Access 3050 Splitter Shelf	1183001L1
ADSL2+ Splitter Module	1183102L1
ADSL2+ Splitter Module with Test Access	1183102L2
VDSL2 Splitter Module	1183202L1
Cut-through Module	1183003L1
Cut-through Module with Test Access	1183003L2
Metallic Test Controller	1183010L1
Total Access 3000 to	
Total Access 3050 Cable	1181926L2



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