



OC-3c/STM 1

Total Access 3000 DSLAM OC-3c/STM 1 Cell Switch Module for ATM

Product Features

- SONET OC-3c IR-1 optical interface
- Dual SC optical connection
- SONET compliant
- SONET level performance monitoring
- SONET line protection switching
- Unchannelized network interface
- NEBS Level 3, GR-1089, and UL 1950 compliant
- ITU-T Recommendation I.432
- ITU-T Recommendation G.957
- UNI v3.1
- ATM Forum STS-3c
- Operating temperature range of -40°C to +65°C

The ADTRAN OC-3c/STM 1 Cell Switch Module installs into a single CSM slot in the Total Access DSLAM chassis and interfaces to the network via SC connectors that attach to the circuit board through the faceplate. A dual configuration is optional for redundant capability, with the system being fully functional with only a single MUX installed.

Standard traffic types such as UBR, CBR, rt-VBR, and nrt-VBR, are supported for data and Voice over DSL (VoDSL) services. The CSM employs traffic prioritizing and policing on a per VC (Virtual Circuit) basis to ensure proper delivery of customer data.

Efficient data delivery is maximized through early packet discard and partial packet discard. Substantial buffers are also utilized to optimize data throughput.

The Total Access OC-3c/STM 1 CSM supports both local and remote management. Operation, Administration, Maintenance, and Provisioning (OAM&P) tasks can be performed through the OS interface on the SCU. Remote management via Telnet, Total Access Element Management System (EMS), TLI, and SNMP is supported through the SCU. Reporting and managing of the QoS is also supported. The OC-3c/STM 1 CSM also exercises synchronized Performance Monitoring (PM) and provisioning between active and standby units.



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Product Specifications

Faceplate Features

LED Indicators

- Power/Fail
- Alarm Status (local/remote)
- Optics Status (LOL, Laser failure, etc.)
- Test
- ATM
- Clock
- Lockout
- On Line

Other Faceplate Features

- Manual Protection Switch
- Automatic Protection Switch (APS) pushbutton

Mechanical

- Single Total Access OSLAM multiplexer slot
- OC-3c/STM 1 interface to fiber through the faceplate

Interfaces

- Network Interface: SC connectors via the faceplate
- Subscriber Interface: Total Access OSLAM DSL facilities

Electrical

- Power requirements: -42 VDC to 156 VDC input range

Regulatory Standards

- NEBS Level 3
- GR-1089-CORE
- UL 1950

Management

Local and Remote

- Telnet, SNMP, Total Access, TL1

ATM Switching

- PVCs: UNI 16,000; NNI 16,000

Environmental

- Operating: -40°C to +65°C
- Storage: -40°C to +85°C
- Relative Humidity: 0 to 95 percent, non-condensing

Ordering Information

Equipment	Part #
Total Access 3000 OC-3c CSM for ATM	1181044L1
Total Access 3000 STM 1 CSM for ATM	1181044L2

