

# Analog FXS/FXO

## ATLAS 550 Expansion Modules

### Product Features

#### FXS Modules

- Provides four or eight FXS interfaces
- All interfaces may be mapped to any DS0 on any of the network interfaces or dynamically switched
- Loop start, ground start, PLAR, and wink delay (for DNIS) operation
- Caller ID name/number (FSK)
- 2-wire interface through an eight-pin modular connector
- Flash upgradeable

#### FXO Modules

- Provides four or eight foreign exchange office FXO interfaces
- All interfaces may be mapped to any DS0 on any of the network interfaces or dynamically switched
- Loop start, ground start and DPT
- Extends phone lines to remote sites over T1 or Frame Relay (using Voice Compression Module)
- 2-wire interface through an eight-pin modular connector

#### FXS Modules

The ADTRAN® ATLAS™ 550 offers both a four and an eight port FXS option module providing 2-wire interfaces that can operate in the PLAR, Tandem (MEGACOM), or FXS mode and supports PBX circuits, analog phones and modems. The module provides talk battery, off-hook supervision and balanced ringing for short loop or premises applications.

#### FXO Modules

The FXO modules provide four or eight foreign exchange office loop interfaces. Either of these modules should be selected when connecting voice line cards of a key system or PBX is required. The module can emulate the CO side of a DID (Direct Inward Dial) trunk. The module provides standard 2 FXO or DPT functionality to distances of 2400 feet.



ADTRAN, Inc.

Attn: Enterprise Networks  
901 Explorer Boulevard  
Huntsville, AL 35806

P.O. Box 140000  
Huntsville, AL 35814-4000

256 963-8000 voice  
256 963-8699 fax

**General Information**  
800 9ADTRAN  
info@adtran.com  
www.adtran.com

**Pre-Sales**

**Technical Support**  
800 615-1176 toll-free  
application.engineer@adtran.com  
www.adtran.com/support

**Where to Buy**

877 280-8416 toll-free  
channel.sales@adtran.com  
www.adtran.com/where2buy

**Post-Sales**

**Technical Support**  
888 423-8726  
support@adtran.com  
www.adtran.com/support

**ACES Installation & Maintenance Service**

888 874-ACES  
aces@adtran.com  
www.adtran.com/support

**International Inquiries**

256 963 8000 voice  
256 963-6300 fax  
international@adtran.com  
www.adtran.com/international

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# Analog FXS/FXO

## ATLAS 550 Expansion Modules

### Product Specifications

#### FXO Physical Interface

- Eight-pin Modular

#### Operating Modes

- FXO (Loop and Ground Start)
- DPT

#### 2-Wire Impedance

- 600 OHMS +2.16 uF

#### TLP Levels

- -6dB to +6dB – Rx Gain (in 3 dB steps)
- -6dB to +6dB – Tx Gain (in 3 dB steps)

#### Ring Detection

- >20 VAC @ 15-65 Hz
- 0.3 REN per port

#### Other Features

- CLASS Services Supported
- Line Side Answer Supervision
- Distinctive Alerting
- Far End Disconnect

#### Power

- 7 Watts

#### Environment

- Operating Temperature: 0° to 45°C, (32° to 113°F)
- Storage Temperature: -20° to 70°C, (-4° to 158°F)
- Relative Humidity: Up to 95%, non-condensing

#### Physical

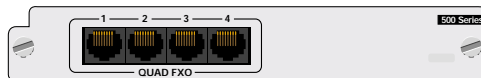
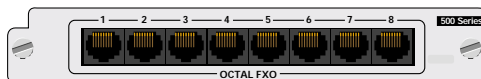
- Modules Dimensions: 6.25" W, 8.9" D, 1.1" H
- Weight: 1.5 lbs
- Occupies one option module slot

#### Agency Approvals

- FCC Part 15 (A), CISPR 22 (A), Industry Canada CS03, UL 1950, CUL IEC 950, FCC Part 68

#### Product Includes

- Quick Start Guide



#### FXS Physical Interface

- Eight-pin Modular

#### Operating Modes

- FXS (Loop and Ground Start)
- Tandem (E&M Immediate/wink to FXS Conversion)

#### Ringing

- On Board Ring Generator
- 50 Vrms
- 5 REN per module

#### Loop Range

- 0 to 400 Ohms

#### Other Features

- CLASS Services Supported
- Line Side Answer Supervision
- Loop Reverse Battery
- Far End Disconnect

#### Power

- 7 Watts

#### Environment

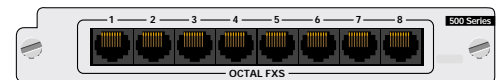
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#### Agency Approvals

- FCC part 15, Class A, UL, and Canadian UL (CUL)

#### Product Includes

- Quick Start Guide



## Ordering Information

Equipment	Part #
Octal FXS Module	1200309L1
Octal FXO Module	1200310L1
Quad FXS Module	1200328L1
Quad FXO Module	1200329L1

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