



OCTAL FXS/FXO

ATLAS 550 EXPANSION MODULE

PRODUCT FEATURES

OCTAL FXS Module

- Provides eight FXS local loop interfaces
- All eight interfaces may be mapped to any DS0 on any of the network interfaces or dynamically switched
- Loop start, ground start, PLAR, DPO, and wink delay (for DNIS) operation
- 2-wire interface through an RJ-48 modular connector

OCTAL FXO Module

- Provides eight foreign exchange office FXO local loop interfaces
- All eight 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 RJ-48 modular connector

OCTAL FXS MODULE

The ATLAS 550 FXS option modules provides eight 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.

OCTAL FXO MODULE

The FXO module is one of several expansion modules for the ATLAS 550 integrated access devices and provides eight (8) foreign exchange office loop interfaces. This module should be selected when a connection to one to eight voice line cards of a key system or PBX is required. PBX extensions may be extended to a remote site by combining a TSU on the remote end with FXS modules. The module can emulate the CO side of a DID (Direct Inward Dial) trunk. The module provides standard 2FXO or DPT functionality to distances of 2400 feet.

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Product Specifications

OCTAL FXO PHYSICAL INTERFACE

- Modular RJ-45

OPERATING MODES

- FXO (Loop and Ground Start)

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

ENVIRONMENT

- Operating: 0° to 50°C (32° to 122°F)
- Storage: -20° to 70°C (-4° to 158°F)
- Relative Humidity: Up to 95%, non-condensing

PHYSICAL

- Modules Dimensions: 7.0" W, 10.0" D, 1.25" H
- Weight: 1.5 lbs

AGENCY APPROVALS

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

PRODUCT INCLUDES

- User Manual

OCTAL FXS PHYSICAL INTERFACE

- Modular RJ-45

OPERATING MODES

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

Ringling

- 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
- Dialtone and Ringback Tone Generators

ENVIRONMENT

- Operating: 0° to 45°C (32° to 122°F)
- Relative Humidity: Up to 95%, non-condensing

AGENCY APPROVALS

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

PRODUCT INCLUDES

- User Manual

Ordering Information

| EQUIPMENT | PART # |
|------------------|-----------|
| OCTAL FXO Module | 1200310L1 |
| OCTAL FXS Module | 1200309L1 |

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