



Octal E&M

ATLAS 550 Expansion Module

Product Features

- Eight voice ports operate in 2-wire or 4-wire Type I, II, III, IV, and V signaling modes
- Trunk interfaces to PBX or key system
- Supports transmission only mode for leased line modem applications
- Supports press-to-talk applications using Type V signaling
- Accepts all ATLAS 550 resource modules
- Flash upgradeable

The ATLAS 550 Octal E&M module provides eight ports for 2-wire and 4-wire E&M applications for PBXs, key systems, and leased line analog modems. E&M signaling types I, II, III, IV, and V are supported, as well as a Transmission Only (TO) mode. Type V signaling can be utilized for press-to-talk applications. The module is intended for on-premise applications and therefore makes no provision for sealing current. Signaling originates on the E-lead.

The Octal E&M module can be used in ATLAS 550 applications utilizing dedicated, ISDN, T1, and Frame Relay circuits. Each port provides an RJ-45 interface and can be independently configured. The module installs in any of the four user interface module slots in the ATLAS 550 and is flash upgradeable.



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Product Specifications

Physical Interface

- Modular RJ-45

Operating Modes

- 4-Wire E&M
- 2-Wire E&M
- 4-Wire Transmission Only (No signaling)
- 2-Wire Transmission Only (No signaling)

Impedance

- 4W Impedance: 600 Ω
- 2W Impedance: 600 Ω +2.15 uF

Frequency Response

- 300-3400 hz (+/-1.0dB)

TLP Levels

- **TX:** -12dB~ +6dB gain, 3dB steps (+12dB~ -6dB TLP)
- **RX:** 12dB~ +6dB gain, 3dB steps (-12dB~ +6dB TLP)

Signaling Modes

- E-Lead originate
- Types I, II, III, IV, V

Environment

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

Physical

- **Module Dimensions:** 7.0" W, 10.0" D, 1.25" H
- **Weight:** 1.51 lbs

Agency Approvals

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

Product Includes

- User manual

Ordering Information

| Equipment | Part # |
|------------------|-----------|
| Octal E&M Module | 1200313L1 |

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