



communications

Communication Systems-East

SVOW

Secure Voice Orderwire

The SVOW provides encryption and decryption for half-duplex voice applications.

PRODUCT DESCRIPTION

L-3 Communication's Secure Voice Orderwire (SVOW) provides secure voice encryption for synchronous half-duplex communication.

Operating in either point-to-point or broadcast mode, the SVOW supports transmission and reception of secure voice traffic over the orderwire circuit. The SVOW interfaces to a standard H-350 handset.

Used in the Improved Mobile Subscriber Equipment (IMSE) system, the SVOW provides secure half-duplex voice capability for set-up, installation and trouble-shooting of the communications network.

The SVOW accepts keys via the front panel from L-3's Key Loader electronic key transfer device. The SVOW has key storage and key retention capability in the event of power loss. Tamper resistant packaging protects the keys by erasing them if the unit is opened. Alternatively, keys can be zeroized simply from the front panel interface.



KEY FEATURES

- Embedded Encryption Module
- Half Duplex Secure Voice Mode
- 16 Kbps Synchronous Data Rate

APPLICATIONS

- Tactical Communications Networks
- Secure Voice Systems

One Federal Street
Camden, NJ 08102
Tel: 609-338-3248
Fax: 609-338-3150

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Size: 12.64"L x 6.89"W x 2.56"H
(32.10cmL x 17.50cmW x 6.50cmH)

Weight: 2.7 lbs (1.8 kg)

PERFORMANCE CHARACTERISTICS

Electrical

Data Interface: RS-423

Voice Interface: Handset

Fill Interface: RS-232C

Power
Interface: 28 VDC

Power
Dissipation: 1.7 watts

Environmental

Temperature: -20°C to +50°C operating
-40°C to +71°C storage/transit

Humidity: 95% up to +40°C

Altitude: 12,192 meters

Shock/Drop: 30 gs

Vibration: 2.0 g²/Hz at 2-10 Hz, 0.7 g²/Hz
at 11-200 Hz

Reliability

MTBF: >10,000 hours@25°C

Accessories

H-350 Handset

For Additional Information Contact:

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