



SEC-LINE/RECEIVER 2000Xe

Encryption module for Phone Receivers



Sec-Line/Receiver 2000Xe is a high-level security encryption module for telephone receivers from ARDY Electronics Ltd. This encryption module can be installed to analogue or digital telephones worldwide. The installation is done between the handset and the telephone on the 4-wire receiver cord.

Sec-Line/Receiver 2000Xe uses key fingerprint display that prevents man-in-the-middle attacks with an Optional PIN-based access control possibility.

Sec-Line/Receiver 2000Xe uses Diffie Hellman with 1024 bit PKI handshake to start the secure connection and triple DES as per ANSI specification X9.52 as encryption algorithm with a 168-bit unique random synchronous encryption key negotiated for each call.

Sec-Line/Receiver 2000Xe has to be installed at both sides of the communication in order to establish a secure connection. The unit can be used for both secure and clear phone calls. The internal rechargeable battery makes it possible to place Secure calls even when the main power is lost.

Sec-Line/Receiver 2000Xe connects in moments to the handset and offers the following features: Strong Encryption Technology, Clear Voice Quality, One Button Operation, Universal Telephone Compatibility, and Portable.



SLR-2000Xe

Technical Data

Modem: 9600 bps CCITT V.32 full duplex, echo canceling
Voice encoder: ITU G.729 AS-CELP at 8kbps
Connection: between handset and telephone
Operation:..... full duplex
AC-power requirements:adapter 240 VAC 50Hz/110VAC 60Hz
DC-power requirements: 12 VDC 600 mA
Internal rechargeable Battery: 6 Volt 500mAh

Encryption Data

Algorithm: Triple DES as per ANSI specification X9.52
Encryption key length: 168-bit unique, random key
DES Key combinations:..... 10^{52}
PKI algorithm:..... Diffie-Hellman exponentiation
PKI encryption key length:..... 1024 bits
Public Key Exponent: 256 bits
PKI Key combinations: 10^{308}

Other Data

Temperature range operating:..... 0 to 50 C
Temperature range storage:..... -20 to 75 C
Size: 195 x 150 x 50 mm
Weight: 0.6 kg
Cover:..... Plastic
Shielding:..... Option