

ReliaSpeak™ TEC100 Landline Encryptor



Main Features

- Guard-style design, supports ordinary 2-wire or 4-wire analog phone.
- End to end digital voice encryption technology.
- Based on the advanced AMSI modem technology to achieve data communication, supports soft switching network.
- Supports global local and long-distance call, and is intercommunicated with ReliaSpeak™ Crypto Phone for encrypted calls.
- Automatically adjusts the voice quality of the encrypted call according to the line condition, to ensure the smooth of encrypted calls maximally.

The most reliable calls privacy protection

Protecting against any form of line eavesdropping

- 100% digital voice encryption technology, without any understanding residues.
- 256-bit ECDH key exchange algorithm.
- AES-256 CTR mode cryptographic algorithm, real-time key replacement is up to 5 times per second.
- Supports users to replace third-party cryptographic algorithms.
- End-to-end encrypted voice communication, effectively prevent parallel wiretapping, direct wiretapping, electromagnetic signal analysis, cross talking and other lines eavesdropping.

Compatible with the ReliaSpeak™ SEM1 Crypto Phone

Make encrypted communication between landline and mobile phone possible



Easy to use

No settings, Plug and play

- Connect the Landline Encryptor in front of the ordinary phone in series by both sides of the call.
- Make/Answer calls, start normal communication.
- Either side can press the encryption button to establish encrypted calls channel. Start encrypted communication after hearing the indication voice "now is in encrypted communication".
- During the encrypted communication, either side can press the encryption button to return to the normal communication.
- During the normal and encrypted communication, both sides can hang up directly.

A new generation of landline encryption product

Using AMSI* modem technology to transmit encrypted speech encoded data. It avoids the phenomenon of higher failure rate of digital channel establishment and frequent interruption of encrypted calls using the traditional Modem technology. Integrated high-quality voice coding, environmental noise cancellation, and line echo cancellation technology for a clear and smooth encrypted voice experience.

- Supports all types of circuit switching and NGN soft switching system.
- Unique RAEC digital line echo cancellation technology, effectively solves the problem of 2-wire and 4-wire signal interference.
- Fast channel training technology, shorter time of secure link establishment.
- High-quality vocoder algorithm, better quality of encrypted voice.

* AMSI is an advanced digital modem technology developed by ReliaSpeak corporation. It can effectively resist channel interference and ensure the correctness of data transmission. For detailed instructions of AMSI technology, please visit www.reliaspeak.com

Specifications

Voice Encryption algorithm	AES-256, CTR mode
Key exchange algorithm	ECDH
Voice coding	2.4kbps/1.2kbps adaptive
Switching time	<10 seconds
Speech enhancement	noise suppression, echo cancellation
line interface	RJ11
Phone interface	RJ11
Dimension	110 x 80 x 25mm, 300g
Power supply	5V/1A Specified power adapter
Operating environment	0°C to +60°C



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