

GSM SIM with SECURE TEXT MESSAGING

EmoSIM V8.0



Key features :

- Secure End-To-End SMS messaging.
- Secret Menu based application.
- Integral Encryption engine.
- Pass phrase per user.
- Secure design.
- Standard SMSC infrastructure.

The EmoSIM **EmoSEC** product is an application backed by 5 years of SIM card development that now brings solutions to clients worldwide.

EmoSEC the WORLDs FIRST truly secure text message application. Send encrypted messages from your GSM mobile and be sure that only the designated person can decode and read them.

For the first time ever, you can be sure that your messages are safe from prying eyes. **EmoSEC** brings you End-To-End secure encryption of text messages. From the time you construct your message, to the time the validated recipient decodes and views it, your message is NEVER "in the clear".

Unlike some systems available from third party developers, **EmoSEC** is not a traditional SMS system. **EmoSEC** is a text messaging system that is integral to the SIM card, designed and developed by the SIM card manufacturer, giving integrity of the SIM and user data unprecedented levels of security.

In traditional secure TEXT messaging applications, the text message is sent via a third party server that encrypts the message and advises the intended recipient that a message is ready for collection. The recipient collects the message, only after accessing the server and passing some authentication procedure. Messages are sent via GPRS or email (WAP). Slow, complex and in the hands of a third party, not to mention the expense!

EmoSEC removes all intermediate stages, messages are constructed and secured using the senders handset and standard SMS text messaging. The recipient is authenticated and then decodes the message received via standard SMS directly on their handset. The message is NEVER stored in the clear, no third party can intercept a clear message. Cheap, Fast and SECURE.

EmoSEC can be operated in **COVERT** mode, thus providing a secret and secure method of passing messages between, individuals of groups of **EmoSEC** equipped users.

EmoSEC provides for encrypted SMS messaging within user defined groups. Each group is allocated an encryption key, thus all messages passed within the group are readable by other group members. All group members must be equipped with the EmoSEC system, to receive and decode encrypted messages. Users in the EmoSEC group may send non encrypted messages to group members and other mobiles outside of the EmoSEC equipped group.



EmoSEC group members can also send private messages to other users in the same group. These private messages are secure person to person messages encrypted with a personal passphrase known only to the users concerned. This combination of Group and Passphrase allows Secure, encrypted, Covert Group, SubGroup and individual messaging over GSM and 3G networks



EmoSEC can operate in Covert or Overt modes. In Covert mode, the secure SMS application cannot be accessed without knowledge of a secret mobile number. The mobile number never appears on the last dialled number list, or in the mobile users billing data. If required the SMS messages can be sent via an alternative SMSC hide SMS usage from billing data. Covert menus appear on the mobile screen, only after dialling the secret number.

Secure Text messages are never placed in the mobile memory, nor are they constructed using the mobile's SMS application. The Secure SMS application simply does not exist, unless called upon.

EmoSEC provides the user with comprehensive configuration menus to allow maximum flexibility and user customisation. The user can enter and modify encryption keys and access codes on the fly.

The EmoSEC is equipped to provide maximum useability regardless of the GSM coverage afforded by any one network. If there is any network coverage EmoSEC will enable the mobile to camp on the best available network to ensure that vital secure text messages are sent and received without undue delay.

