



GSM Cellular Encryption Module – Ericsson-Sony (3041)



(Telephone not included)

Secure Portable GSM Point to Point Encryption

The Problem

In today's dynamic environment you rely on cellular communication to keep in contact with your department and your team from all around the world 24 hours a day. Worried! it's not secure? You should be!

You might think built-in GSM security features protect your wireless conversations, but unfortunately this is no longer true. Not only have GSM encryption algorithms already been cracked, but by operating fake base-stations eavesdroppers can cause cell phones to disable encryption functionality. So, in the absence of authentication, eavesdroppers who operate fake base-stations don't even need to crack the encryption, because there isn't any!

Moreover on many networks the GSM security feature is not activated to begin with - since the export of encryption products is restricted to certain countries, the GSM default version has no encryption at all.

The Solution

To solve this problem the 3041 has been developed, a plug-in cellular encryption unit that enables secure GSM communications. The 3041 can provide different solutions for different configurations:

Point-to-point - 3041 enables any two users to establish seamless secure GSM connection for voice and data calls anywhere in the world.

Point-to-multipoint - by combining the 3041 with our secured network access platform you can provide a complete secure environment within your office and operations. Government users can achieve secure GSM communications by extending it to their GSM Private Network communications or agency wide for

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switches, trunks, PBX or individual instruments. Unlike other existing GSM solutions, which require you to purchase a dedicated - and expensive - cellular handset, the 3041 is an accessory. Currently it is available for most popular Ericsson/Sony handsets. Just plug the 3041 into most Ericsson/Sony cell phones and enjoy military-strength security at EFR voice quality!

Benefits

- End-to-end secure voice and data communications over GSM networks.
- No need for special handset. Attaches to most Ericsson/Sony phones (T28, T39, T39m, T65, T68, T68i, R380, R520, T300 and P800 series).
- EFR voice quality
- High level encryption process with new key draw for each session [Asymmetric Public Key Cryptography (Diffie-Hellman) for key exchanging and Symmetric block cipher (AES) algorithm for session encryption]
- Seamless operation
- Super efficient implementation of encryption algorithms for minimum impact on battery life.
- Detachable accessory

Goldman only distributes equipment which is manufactured to our exacting standards and uses the highest quality components and latest technologies available. For your guarantee of quality assurance each piece is individually burned in and thoroughly tested before leaving our facilities and is shipped to you.

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