

## Snapsoft



Snapsoft is a voice and data security solution for GSM-based Smartphones. Available as a software download for COTS Smartphones, Snapsoft is completely unobtrusive, eliminating the need for a hardware dongle or dedicated handset. Using high performance, Snapcrypt libraries Snapsoft takes full advantage of the increased processing power available in today's Smartphones, providing a high performance solution with minimal voice latency.

Snapsoft also provides a comprehensive solution for data at rest and data in motion. Snapsoft ensures that all information residing on the device (data at rest) can be encrypted based on user-defined criteria. In addition Snapsoft offers secure data connectivity (data in motion) for all popular forms of messaging and connectivity (VPN, email, SMS, MMS, File Transfer, chat etc.).

Snapsoft is available for all major smartphone operating systems such as Symbian, Linux, and Windows Mobile.

### **Snapshield's Solutions**

Snapsoft can be used on a standalone basis, allowing point-to-point encryption between subscribers. Snapsoft can also be deployed as part of Snapshield's managed secure communication network solutions – Snapcorp, Snapzone, and Snapshield. Snapsoft's flexibility in integrating with standard mobile handsets, expands the range of possibilities for secure communications open to enterprises and service providers.

### **Key Benefits**

- Military-grade security (FIPS 140-2 level 2)
- Unobtrusive, no need for hardware dongle or dedicated handset
- Complete voice and data security solution (data at rest and in motion)
- Transparent and seamless user experience
- Support for GSM across all 4 frequencies
- Flexible integration with standard Smartphones, expands the possibilities for enterprises
- Efficient implementation of encryption algorithms, minimal impact on battery life
- Support for Snapshield's patented point-to-multipoint technology
- Used on a standalone basis, or as part of managed secured network solution
- Advanced management features
- Remote update and maintenance capability

### **Snapsoft Features**

- Available on all popular smartphone operating systems
- Data security (SMS, MMS, chat, file transfer)
- VPN capabilities
- Contact list support
- High level encryption process, supporting unique session keys
- Authentication and access control capabilities.
- Audio and visual notification of security level
- Remote parameter upgradeable
- External key Management tool (optional)
- Multi user Group Authentication using SHA-1
- DTMF over secure channel

**Technical Specifications**

Operating Systems	Windows Mobile 2003 Edition
Memory Requirements	1.5M Storage, 0.5M Storage Code
Media Encryption	AES 256 Bit
Key agreement algorithm	Diffie-Hellman 1024/2048 Bit Elliptic Curve Diffie-Helman 521 Bit
Voice Compression	G723.1
Security Standard	NIST FIPS 140-2
Authentication	SHA -1 / SHA -256 / SHA -512
License Requirement	ISMI and IMEI



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