

## TECHNICAL SPECIFICATIONS

### Radio

Quad-Band GSM 850/900/1800/1900 MHz

### Voice Encryption

Strongest and most secure algorithms available today – AES256 and Twofish, 4096 bit Diffie-Hellman key exchange with SHA256 hash function, readout-hash based key authentication, 256 bit effective key length encryption, key is destroyed as soon as the call ends.

### Message Encryption

Based on the same strong encryption algorithms used for GSMK CryptoPhone voice encryption - 4096 bit Diffie-Hellman initial key exchange, AES256 and Twofish message encryption with 256 bit effective key length. Supports long SMS, encrypted self-destructing "Eyes Only"-SMS, and smart folders. Includes fully encrypted storage system for contacts, messages and keys.

GSMK CryptoPhones are the only secure mobile phones on the market with full source code published for independent security assessments. They contain no »proprietary« or »secret« encryption, no backdoors, no key-escrow, no centralized or operator-owned key generation, and require no key registration.

### Interoperability

Fully compatible with all GSMK CryptoPhone cellular, satellite and fixed-line products

### Dimensions & Weight

109 x 59 x 17mm, 168g incl. battery, black color scheme, integrated antenna

### Operational Features

Talk time up to 4 hours, standby time 200 hours

### Standard Accessories

100-240V AC adapter, USB sync cable, stereo headset with microphone

### Satellite Upgrade Option

Upgradeable to dual-mode secure GSM and Thuraya satellite communications using the GSMK CryptoPhone T2 upgrade package



### Trustworthy Voice & SMS Encryption

The CryptoPhone 300 comes with full source code available for independent review. Finally, you can perform an independent assessment to ensure that you can rely on strong encryption without any backdoors in the communications device that you entrust your security to. The GSMK CryptoPhone 300 enables you to put the trust where it belongs – in a trustworthy, open and scientific verification process.

GSMK CryptoPhone technology is based on well-researched algorithms for both encryption and voice processing. It features the strongest encryption available combined with key lengths that provide peace of mind today and in the future.

### Generic GSM Services

Call holding, waiting, forwarding, barring, Calling Line Identification (CLI), Short Message Service (SMS), network selection, cell broadcast

### Encrypted Messaging Services

Based on the same strong encryption algorithms used for GSMK CryptoPhone voice encryption - 4096 bit Diffie-Hellman initial key exchange, AES256 and Twofish message encryption with 256 bit effective key length. Supports long SMS, encrypted self-destructing "Eyes Only"-SMS, and smart folders. Includes fully encrypted storage system for contacts, messages and keys.

### Connectivity

Mini-USB connector (Slave USB, Power In) with integrated audio connector, MicroSD memory card slot (SD 2.0 compatible), Wireless LAN IEEE 802.11b/g, Bluetooth 2.0 (supported profiles: Serial Port Profile, Hands-Free Profile, Human Interface Device Profile, File Transfer Profile, Object Push Profile, SIM Access Profile, Advanced Audio Distribution Profile A2DP, Audio Video Remote Control Profile, Personal Area Network Profile)

### Display

Sunlight-readable 2.8" transfective TFT LCD screen with LED backlight, 240 x 320 pixels, 64k colors

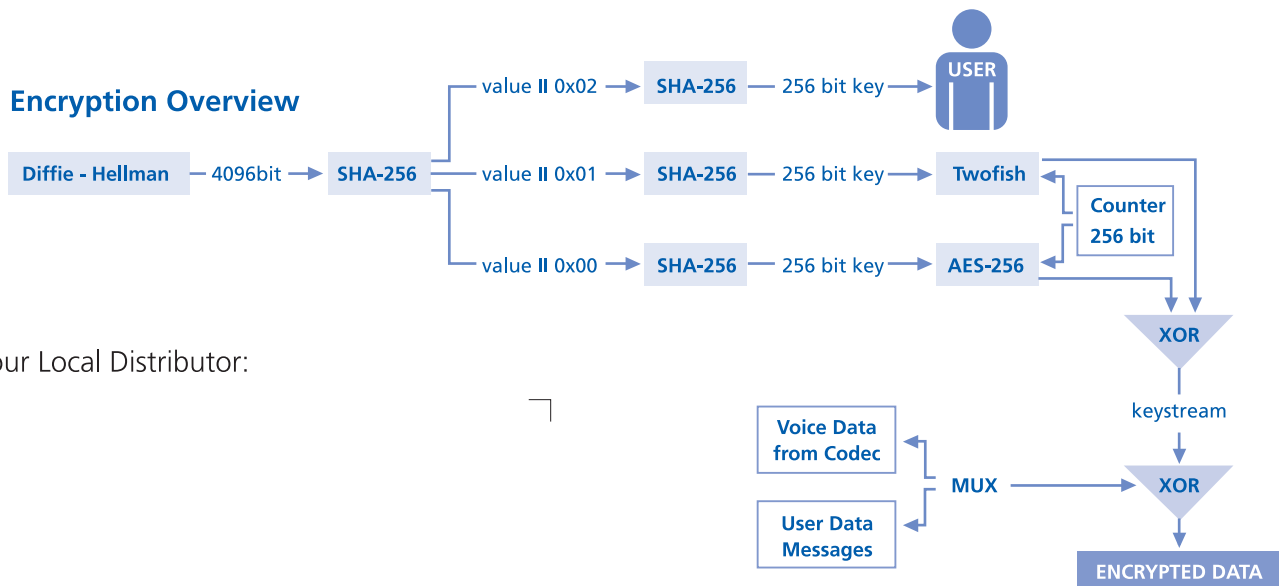
### Keyboard / Buttons

2.8" touch screen, auto-sliding QWERTY keyboard, talk / hang-up buttons, 5-way navigation keypad plus soft keys and dedicated network, voice recorder and camera capture buttons, volume up/down buttons

### CMOS Camera

with 2.0 megapixels resolution (can be completely disabled upon request)

### Encryption Overview



Your Local Distributor: