

TECHNICAL SPECIFICATIONS

Radio

GSM quad-band 850/900/1800/ 1900MHz, EDGE EGPRS class B, multi-slot class 10, CSD

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.

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 mobile, satellite and fixed-line encryption products

Dimensions & Weight

98.5 x 51.4 x 15.8 mm, 99g incl. battery, integrated antenna, slimline clamshell design, black color scheme

Operational Features

Talk time up to 5 hours, standby time up to 150 hours, hardened WM5 operating system

Standard Accessories

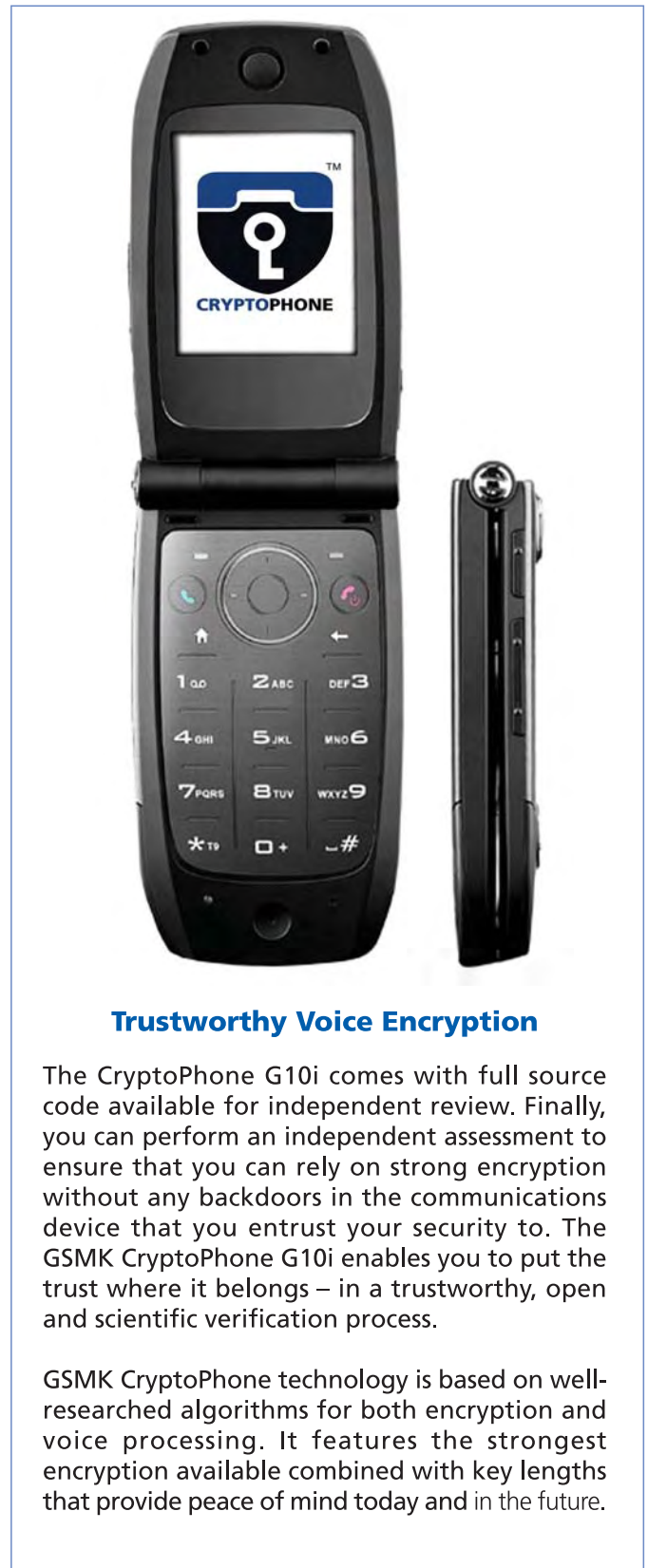
100-240V AC adapter, USB sync cable, stereo headset with microphone

Optional Accessories

12V car charger, solar panel charger, vehicle mount kit, ruggedized military carrying case

Satellite Upgrade Option

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



Trustworthy Voice Encryption

The CryptoPhone G10i 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 G10i 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

Connectivity

Integrated USB/Power/Audio connector (Slave USB 1.1, Power In, Audio), MicroSD memory card slot, Bluetooth V1.2 (Supported profiles: Generic Access Profile, Serial Port Profile, Headset Profile, Generic Object Exchange Profile, Object Push Profile, DUN Profile, HID Profile, Hands-free Profile)

Display

Main display 2.2-inch sunlight-readable transreflective TFT LCD screen with white LED backlight @ 240x320 pixels, 65k colors, Auxiliary display 1.2-inch TFT LCD screen @ 128x128 pixels, 65k colors

Keyboard / Buttons

Full 12-button numerical dialing keypad (supports T9, multi-press and numeric text entry), two soft-key buttons, talk / hang-up buttons, 5-way navigation keypad plus dedicated home and back buttons, camera capture button, volume up / down buttons

Audio

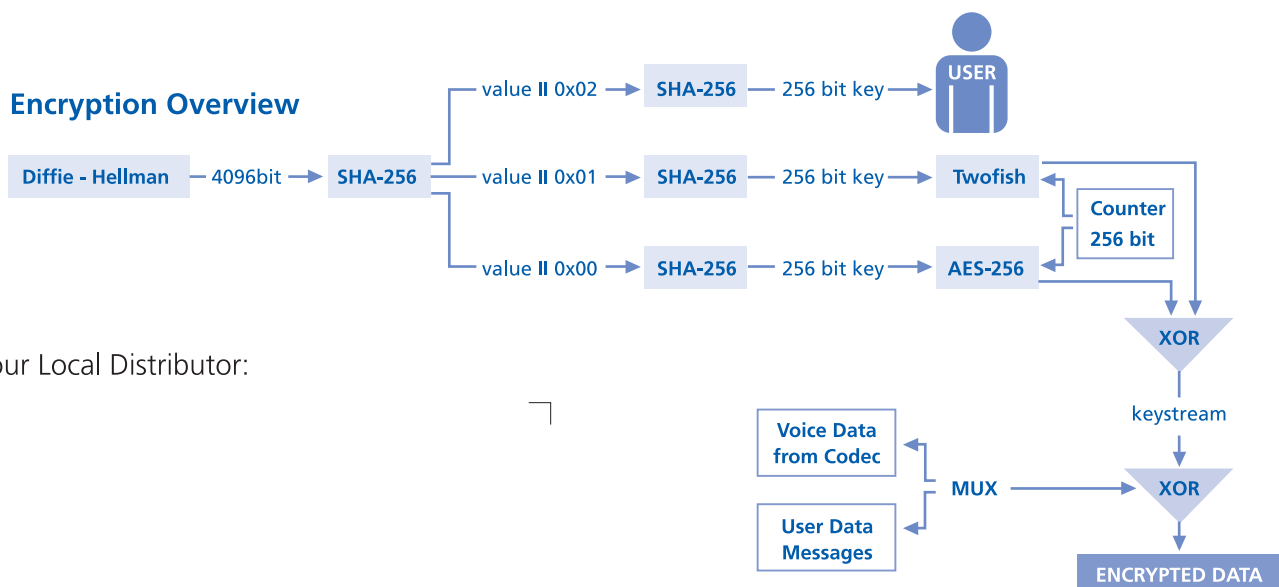
Audio codecs: Encrypted calls: CELP, voice recorder (not encrypted): AMR, decoding/playback: WAV / WMA / AMR / AAC / MP3, polyphonic ring tones

CMOS Camera

with 1.3 megapixels resolution (can be completely disabled upon request)

Notification

Green / red / blue LEDs for GSM network status, power charging status and Bluetooth connectivity status. Customizable vibration alert for notification and incoming calls



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