

TECHNICAL SPECIFICATIONS

Radio

Tri-Band GSM 900/1800/1900 MHz or
850/1800/1900 MHz

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 - no 'proprietary' or 'secret' encryption, no backdoors, no key-escrow, no centralized or operator-owned key generation, no key registration.

Interoperability

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

Dimensions & Weight

108 x 58 x 18mm, 160g incl. battery, charcoal color scheme, integrated antenna

Operational Features

Talk time up to 3.5 hours, standby time 180 hours

Standard Accessories

100-240V AC adapter, USB sync cable, stereo headset with microphone (2.5mm plug)

Optional Accessories

Spare batteries, 12V cigarette lighter charger, solar panel charger, vehicle mount kit, noise-cancelling headset, 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 220 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 220 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

Mini-USB connector (Slave USB, Power In), SDIO/MMC memory card slot, 2.5 mm earphone / microphone jack with stereo sound, Bluetooth V1.1 (Supported profiles: Generic Access Profile, Serial Port Profile, Headset Profile, Generic Object Exchange Profile, Hands-free 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, talk / hang-up buttons, 5-way navigation keypad plus dedicated contacts, calendar, voice recorder and camera capture buttons, 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

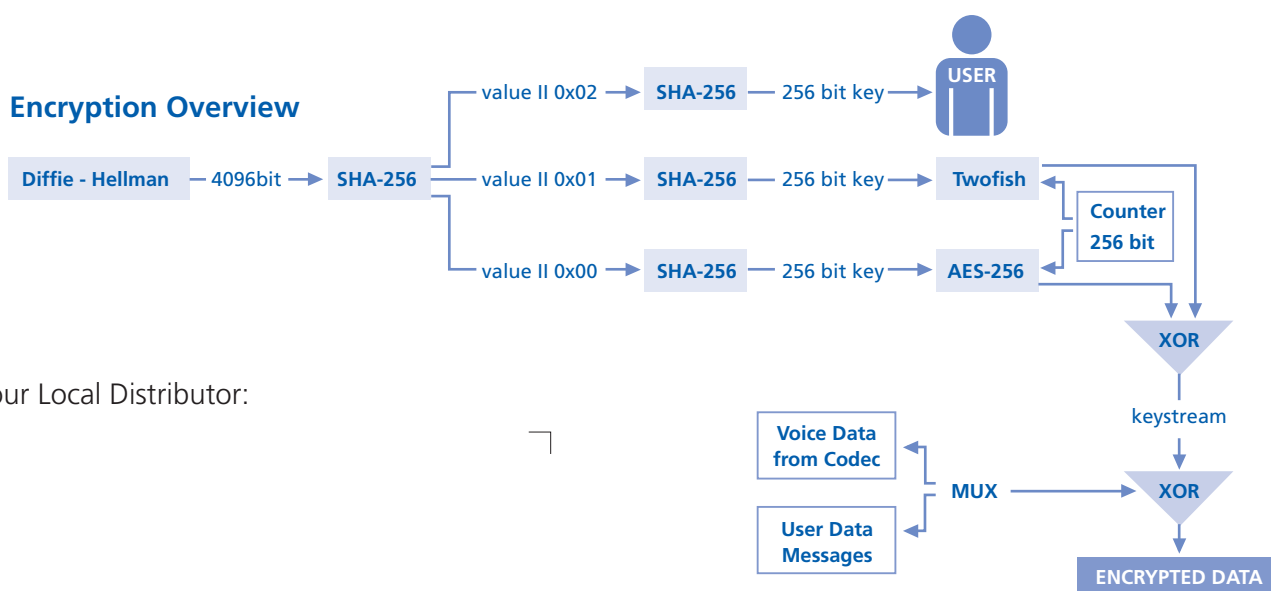
CMOS Camera

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

Notification

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

Encryption Overview



Your Local Distributor: