TECHNICAL SPECIFICATIONS

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

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 and encrypted self-destructing “Eyes Only” SMS.

Device Protection
Encrypted storage system for contacts, messages, and keys with smart folders protects confidential data against unauthorized access • hardened WM5 operating system with granular security management and streamlined, security-optimized components and communication stacks protects device against outside attacks

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

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.
**Operational Features**
Talk time up to 5 hours • standby time up to 150 hours

**Dimensions & Weight**
98.5 x 51.4 x 15.8 mm • 99g incl. battery • integrated antenna • slimline clamshell design • black color scheme

**Display**
Main display 2.2-inch sunlight-readable transflective TFT LCD screen with white LED backlight @ 240x320, 65k colors • auxiliary display 1.2-inch TFT LCD screen @ 128x128, 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

**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)

**Audio codecs**
Encrypted calls: CELP and ACELP® VLBR4 • Decoding/playback: WAV / WMA / AMR / AAC / MP3, polyphonic ring tones

**CMOS Camera**
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

**Standard Accessories**
100-240V AC adapter • USB sync cable • stereo headset with microphone

**Optional Accessories**
12V car charger • solar panel charger • vehicle mount kit

**Encryption Overview**

<table>
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<tr>
<th>Encryption Overview</th>
<th>Diffie - Hellman</th>
<th>SHA-256</th>
<th>4096bit</th>
<th>SHA-256</th>
<th>256 bit key</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>value II 0x02</td>
<td>SHA-256</td>
<td>256 bit</td>
<td>Twofish</td>
<td>Counter 256 bit</td>
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Your Local Distributor:

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GSMK Gesellschaft für Sichere Mobile Kommunikation mbH • Berlin, Germany
Tel. +49 700 CRYPTTEL [27 97 88 35] or +49 30 2462-5000
Fax +49 700 CRYPTFAX [27 97 83 29]
http://www.cryptophone.com