

### TECHNICAL SPECIFICATIONS

#### Telephone Line Interface

Standard analog PSTN/POTS interface with RJ11/RJ13 plug, ISDN connectivity available with optional adaptor

#### 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 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 devices\*

#### Dimensions & Weight

Encryption unit 50 x 275 x 172mm, 2000g, black aluminium, no moving parts or fans  
Telephone style may vary, customer specific model available for larger orders

#### External Ports

Standard analog audio port (separate 3.5mm jacks for line in/out) for interfacing the CryptoPhone PSTN/1 with audio and video-conferencing equipment, RS232 serial port for connecting satellite equipment (Thuraya or Inmarsat, other networks on request).  
System runs on 12V DC power (provided by 100-240V AC power supply)

#### Display

Alphanumeric LCD display for key hash value verification and call information

#### Operational Features

Last number redial function, programmable phonebook, speakerphone, ringer, volume control



#### Trustworthy Voice Encryption

The CryptoPhone PSTN/1 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 PSTN/1 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.

### Standard Accessories

100 – 240V AC power adaptor, full cable set, high-quality lockable aluminium transport suitcase

### Optional Accessories

100 – 240V AC uninterruptible power supply, powerline filtering, 12V cigarette lighter type power supply, solar power pack

### Type Approvals

Designed for and in the process of being approved for connection to the public switched telephone network in more than 50 countries and regions worldwide. Please find below the current list of type approvals.

### Countries and Regions

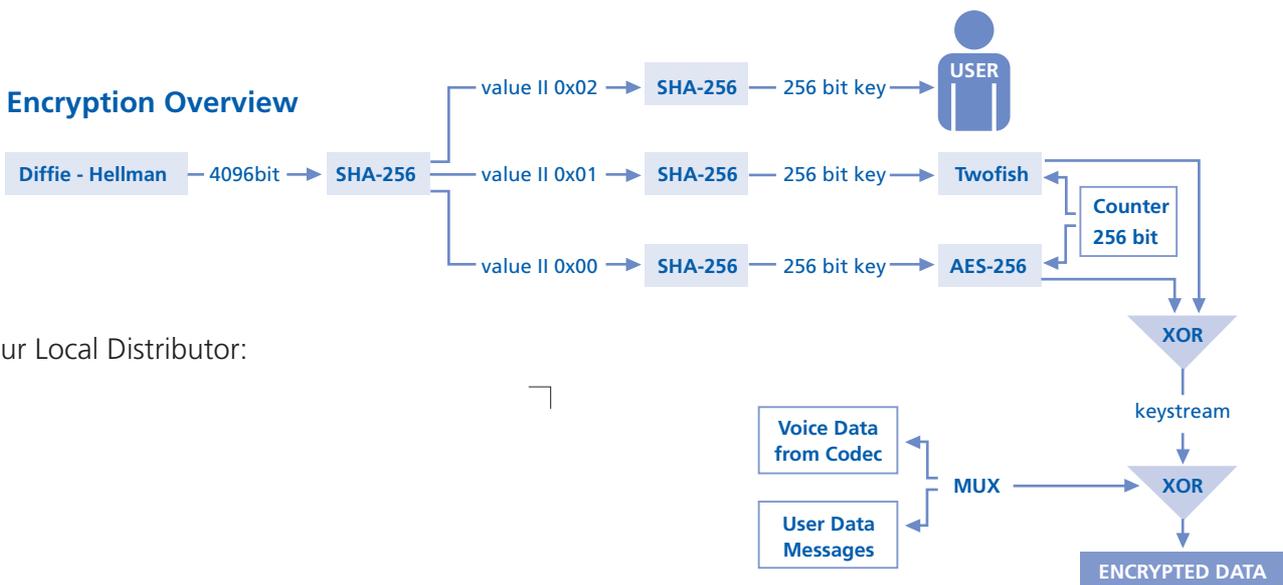
Argentina France Latvia Russia Australia Germany Liechtenstein Singapore Austria Greece Lithuania Slovak Republic Belgium Hong Kong, S.A.R. of China Luxembourg Slovenia Brazil Hungary Malaysia South Africa Canada Iceland Malta Spain Chile India Mexico Sweden China Indonesia Netherlands Switzerland Cyprus Ireland New Zealand Taiwan Czech Republic Israel Norway Thailand Denmark Italy Philippines

Turkey Estonia Japan Poland United Kingdom Finland Korea Portugal United States \*\*

\* Secure calls from a CryptoPhone PSTN/1 to CryptoPhone models 100, 200, 200T or G10 require incoming analog V.32 data calls to be available on the mobile side. Depending on your GSM subscription/call plan, this service might have to be added to your subscription/call plan by your mobile network operator.

\*\* This list is the target set of countries or regions in which the GSMK CryptoPhone PSTN/1 will be approved. Many of the approvals have already been completed at the time this product is released to market; others are in the process of being issued. If you need approval for a country not on the list, please contact us. Usually the approval can be arranged within a reasonable timeframe.

### Encryption Overview



Your Local Distributor: