



GSMK CryptoPhone® CP20

Secure desktop phone for professional users with 360° protection, hardened operating system, and end-to-end voice and message encryption

Secure Calls

Secure end-to-end encrypted voice over IP calls • Strongest and most secure algorithms available today – AES256 and Twofish • 4096 bit Diffie-Hellman key exchange with SHA-256 hash function • Readout-hash based key authentication • Autonomous key generation, no pre-installed key material • Encryption keys securely and immediately erased from the device after each call

Secure Messaging

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 keys

Device Protection

Hardened operating system with security-optimized components and communication stacks protects device against outside attacks

Encrypted Storage

Encrypted storage system for contacts and messages protects data at rest against unauthorized access

Verifiable Source Code

GSMK CryptoPhones are the only secure mobile phones on the market with source code available for independent security assessments. This permits individual source code audits in accordance with national and international verification and certification standards designed to verify device integrity mechanisms, correct implementation of all encryption algorithms, and the absence of backdoors

Design

State-of-the-art graphical user interface for convenient operation combined with future-proof and reliable hardware

Compatibility

Fully compatible with all GSMK CryptoPhone IP secure mobile, desktop and satellite phones, including all GSMK CryptoPhone 400, 450, 500, 500i, 600 and IP19 series secure phones as well as GSMK CryptoPhone IP PBX Gateways



360° Security: End-to-end encrypted voice and messaging

- High Assurance CryptoPhone Security
- Innovative graphical user interface
- 5"/12.7cm TFT display with capacitive touch
- 15 programmable function keys
- Future-proof platform
- Full source code available for review
- Hardened operating system
- Made in Germany

Technical Data

Future-proof CPU platform and hardware design

Interfaces

- Gigabit Ethernet interface (RJ-45)

Power Supply

- Power consumption 3.3W min.
- PoE, IEEE 802.3af (Class 0)
- External power supply (100-240V, 50/60Hz)
(C13 connector with country-specific plug)

Audio

- Handset with Hearing Aid Compatibility (HAC)
- Dynamic microphones

Display

- 5"/12.7cm (800*480) Color TFT LCD
(angle adjustable)
- Capacitive touch
- LED call indicator

Hook Switch

- Solid state hook switch

Keyboard

- 15 programmable keys
- 5-way navigation element, dial pad and
12 function keys (DND, volume, menu, mute)

Mechanical

- Dimensions 275 mm x 148/170/190 mm x 210 mm
- Weight 1.450g / 3.2lbs (incl. power supply)

Type Approvals

CE, FCC (FCC 47 CFR Part 15B), Canada: ICES-003
(Issue 6:2016)

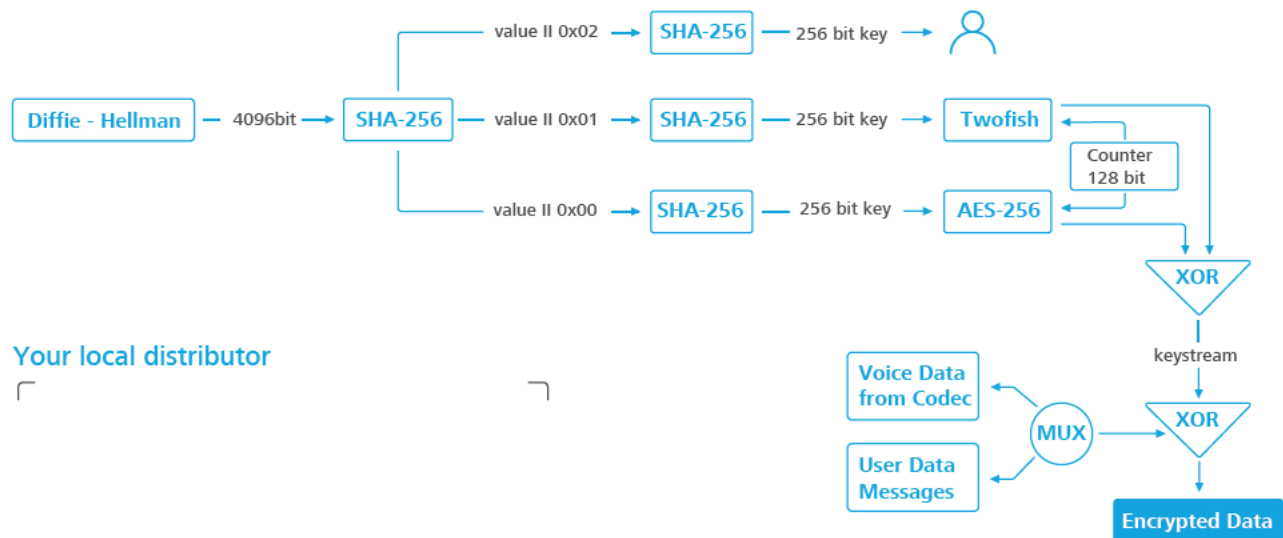
Color

Black Carbon

Product Code

7600.020

Encryption Overview



Your local distributor

GSMK - Gesellschaft für Sichere Mobile Kommunikation mbH
Marienstrasse 11, 10117 Berlin, Germany

Phone +49 30 24 62 500-0
Fax +49 30 24 62 500-1

Web www.cryptophone.com
Email sales@cryptophone.de