

TECHNICAL SPECIFICATIONS

Dual-mode radio communication

Thuraya voice and circuit-switched data up to 9600bps, GPRS depending on availability by Thuraya network and Thuraya phone model, GSM Tri-band 900/1800/1900MHz, GPRS class B, multi-slot class 10

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 devices. Incoming secure calls on a CryptoPhone 200 T in Thuraya mode may be dependant on current Thuraya network Status and local Operator gateway agreements with Thuraya. Outgoing secure calls from Thuraya to other networks always work regardless of these factors.

What is Thuraya?

Thuraya is a satellite communication System that Covers Europe, the Middle East, most of Africa and large parts of Asia using geostationary satellites. Thuraya combines excellent voice quality with very low per-minute rates. It uses affordable terminal equipment that has approximately the size of an old-fashioned GSM mobile phone. The CryptoPhone 200 T in Thuraya-mode is the perfect solution for secure communication in areas without GSM coverage or if you do not wish to depend on the local network infrastructure. For more information, including current coverage maps, please visit: <http://www.thuraya.com>



Trustworthy Voice Encryption

The CryptoPhone 200 T/TS 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 G10 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.

Dimensions & weight

Encryption unit with built-in GSM phone: 130 x 61 x 18mm, 190g incl. battery
 Thuraya unit: 144 x 52 x 32mm, 220g incl. battery

External ports

2.5mm headset jack, external DC power, SD card slot, multi-purpose data ports on encryption unit and Thuraya unit

Display

Encryption unit with built-in GSM phone 3.5" sunlight-readable transreflective TFT LCD touch screen with LED backlight, 240x 320 pixel, Thuraya unit 1.7" LCD dot matrix screen

Operational features

Talk time: GSM 3.5 hours, Thuraya 2.1 hours
 Standby time: GSM 180 hours, Thuraya 34 hours

Standard Accessories

Special serial cable (included) connects encryption unit to Thuraya unit for secure Thuraya voice communication, 100-240VAC power adaptors.

mono headset with microphone, ruggedized military carrying case

Optional Accessories

12V cigarette lighter charger, vehicle mount kit, solar power pack

T and TS Model Differences:

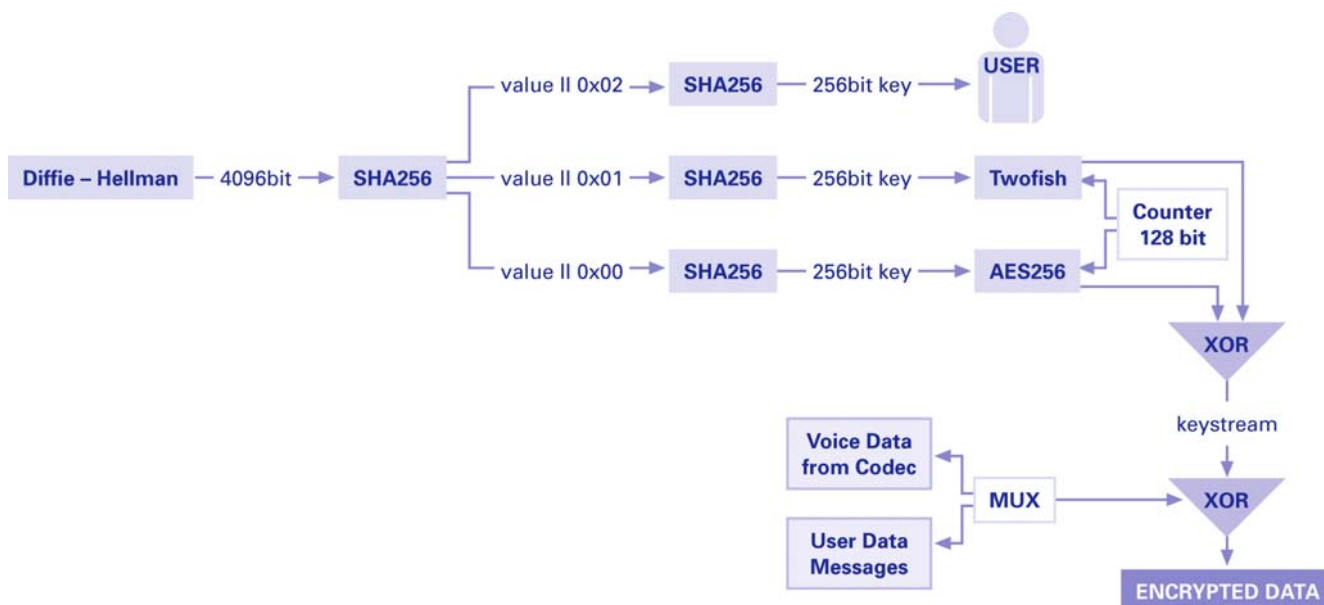
CryptoPhone 200 T:

Includes all necessary equipment except the Thuraya phone (for users who already own a Thuraya unit, Supports both Hughes 7100 and 7101 models, some firmware releases may require an update)

CryptoPhone 200 TS:

Includes all necessary equipment, complete with the Hughes 7101 Thuraya phone (Thuraya phone model supplied with the unit subject to change without notice)

Encryption Overview



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