

TECHNICAL SPECIFICATIONS

Thuraya satellite communications for all GSMK CryptoPhones

The GSMK CryptoPhone T2 is an add-on device to GSMK CryptoPhone systems that enables the use of the Thuraya satellite system for secure calls. The system consists of a docking station that attaches to the Thuraya phone and works via a wireless connection with a GSMK CryptoPhone 200, 220 or G10 that has a special Thuraya-capable firmware installed. The user places the T2 with the Thuraya phone in a spot with good Thuraya coverage. A wireless connection is then established between his CryptoPhone and the T2. Now secure calls can be placed over the Thuraya network while moving around in a range of several meters around the T2 unit, just like with a cordless phone. The T2 is used to transport the signal (that has already been encrypted inside the CryptoPhone) over the Thuraya satellite telephony network. The wireless connection between his CryptoPhone and the T2 poses no security risk, as it is only used to transport already encrypted data.

Interoperability

Fully compatible with all GSMK CryptoPhone devices. Incoming secure calls on a CryptoPhone in Thuraya mode may be dependent 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 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

GSMK CryptoPhone products come 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 System 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.

Available versions:

The CryptoPhone Thuraya Option consists of two parts: the wireless docking station for the Thuraya phone and a special T2-capable firmware version for the GSMK CryptoPhone. As different customers have different needs, the CryptoPhone T2 capability is bundled with a whole range of products, listed below:

CryptoPhone G10 T - GSMK CryptoPhone G10 with Thuraya-capable firmware and T2 docking unit, customer uses his own Thuraya phone (Hughes 7100 or 7101)

CryptoPhone G10 TS - GSMK CryptoPhone G10 with Thuraya-capable firmware and T2 docking unit plus an included Hughes 7101 Thuraya phone

CryptoPhone 220 T - GSMK CryptoPhone 220 with Thuraya-capable firmware and T2 docking unit, customer uses his own Thuraya phone (Hughes 7100 or 7101)

CryptoPhone 220 TS - GSMK CryptoPhone G10 with Thuraya-capable firmware and T2 docking unit plus an included Hughes 7101 Thuraya phone

CryptoPhone T2 Upgrade Kit - Firmware update for existing CryptoPhones 200, 220 and G10 plus the T2 docking unit, customer uses his own Thuraya phone (Hughes 7100 or 7101)

Other variants are available on request.

Your Local Distributor:



Dimensions & weight

T2 docking station 220 x 61 x 61mm, 180g incl. battery

External ports

External DC power (uses Thuraya power supply for charging internal battery),
RS232 for optional connection to CryptoPhone PSTN/1

Operational features

Talk time T2: supports up to 8 hours of encrypted Thuraya calls (depending on usage patterns)
Supports connections to all GSMK CryptoPhone products

Optional Accessories

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

