



GSMK CryptoPhone IP for Satellite Links



Talking like eye to eye...

*Voice Encryption for Thuraya IP
and Inmarsat BGAN*

TECHNICAL SPECIFICATIONS

Secure Phone Calls for Thuraya IP and Inmarsat BGAN Satellite Links

Supporting a wide range of satellite terminals, GSMK CryptoPhone IP provides reliable end-to-end encrypted voice over IP communications across network borders. All GSMK CryptoPhone IP secure mobile and desktop phones can be connected to Thuraya IP or Inmarsat BGAN satellite terminals either via a simple Ethernet cable or an encrypted Wireless LAN connection, thus guaranteeing end-to-end encrypted communications on any network, any time.

Voice Encryption

Secure voice over IP communication on Thuraya IP and Inmarsat BGAN satellite networks • 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 available 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 IP mobile, satellite and fixed-line encryption products • end-to-end encrypted calls from and to vehicles, naval vessels and remote camps as well as cellular phones and private branch exchanges • IP PBX integration with virtual satellite extensions.



Trustworthy Voice & Message Encryption

All 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 devices 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 IP secure phones utilizing satellite links are based on well-researched algorithms for both encryption and voice processing. They feature the strongest encryption available combined with key lengths that provide peace of mind today and in the future.

Available sets:

The GSMK CryptoPhone IP for satellite links set consists of two parts: satellite terminal (Inmarsat BGAN or Thuraya IP) and GSMK CryptoPhone IP phone (GSM or landline device).

For the unique requirements of different users and missions we can offer different GSMK CryptoPhone IP for satellite links sets:

1. **Satellite terminal Inmarsat BGAN or Thuraya IP and landline device CryptoPhone IP19.** You can use different Inmarsat BGAN satellite terminals: Thrane&Thrane Explorer series, Harris RF-7800B, Hughes HNS 9201/9250/9350/9450 and Wideye Sabre, or Thuraya IP Hughes 9103 satellite terminal (we recommend Thrane&Thrane Explorer 500).

Secure IP satellite connection can be established via simple Ethernet cable connection between satellite terminal and CryptoPhone IP19 or CryptoPhone IP20.

This set is prepared for secure satellite communication in Your house or office, where You can connect it to power supply.

If You want to use this set in the area where is no power supply, You can connect it to 12/24V vehicle chargers, or heavy-duty battery packs and solar panel chargers.

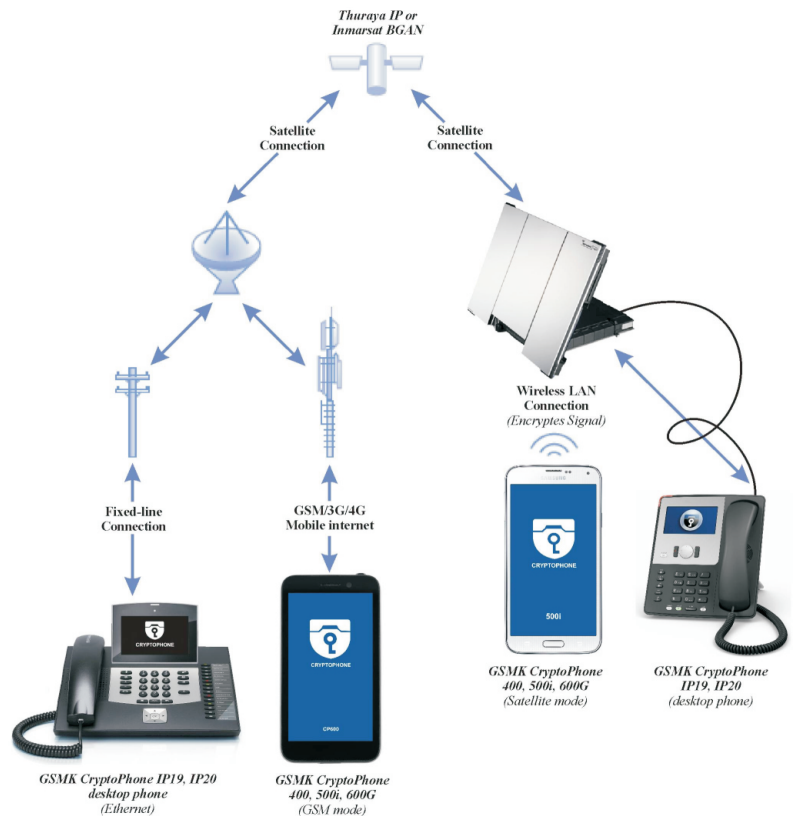
2. **Satellite terminal Inmarsat BGAN or Thuraya IP and GSM CryptoPhone IP device.** In this case You can use different satellite terminals with builtin Wireless LAN: Thrane&Thrane Explorer 700, Hughes HNS 9201/9250/9350/9450, or Thuraya IP Hughes 9103 satellite terminal (we recommend Thrane&Thrane Explorer 700) and different GSM CryptoPhone IP devices (CryptoPhone 400, 500i, 600G).

Secure IP satellite connection can be established via built-in Wireless LAN connection between satellite terminal and GSM CryptoPhone IP device.

For a longer use in the area where is no power supply, You can connect this set to 12/24V vehicle chargers, or heavy-duty battery packs and solar panel chargers.

Optional Accessories

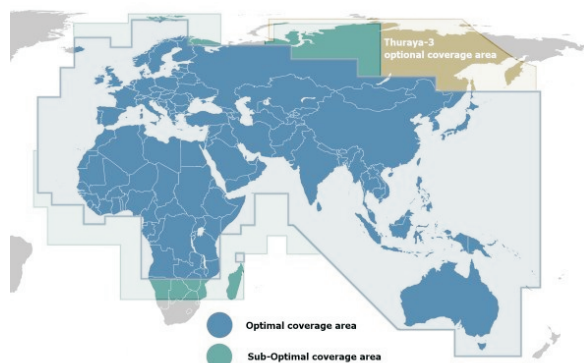
- 12 / 24V vehicle chargers, vehicle mount kits and external antennas
- Solar panel chargers
- Heavy-duty battery packs for extended operations without access to electrical power sources



Inmarsat coverage map



Thuraya coverage map



Your local distributor:

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