



PTTSec

Secure Communications for Tactical Operations

PTTSec is a secure communications system that provides voice and data communications on commercial mobile devices in group or individually, over cellular and wireless networks, as well as the positioning of the operations.

Secure Tactical Communications, PTT and duplex

Communications can be made in PTT model (Push-to-Talk) similar to Tetra security systems, as in full duplex mode (similar to a telephone). With a high security level, great audio quality and usability, PTTSec protects calls and sensitive information for operations groups and alike.

For Law Enforcement Agencies and security

- Security and Police Forces.
- Customs Agencies.
- Concealed Public Security Forces.
- Private Security (guards and escorts).
- Private companies with group communications (sales forces, fleets, etc.).

Multiple uses

Group or individual voice and data communications in mobile devices over cellular and wireless networks, group or individual instant messaging, video transmission, documents submission.

Calls and data exchanged by PTTSec in PTT or full-duplex mode are safe, regardless of the mobile operator used and the country where you are. It can function as a supplementary system for a Tetra, PMR or Matra (where there is no radio coverage). Or even as a substitute in cases like:

- Security or Police Forces Group Communications.
- Public or Private escorting and surveillance services.
- Group communications in sensitive environments, special transport, etc.
- Supervision and teams positioning.

Proven expertise

15+ years in security
6+ years of development
5+ agencies
15+ daily operations

Sector

Security and Police Forces, Private Security, Law Enforcement Agencies

Countries available

Worldwide, under export control and End User Agreement (EULA - End-User License Agreement).

Languages

English, French, Spanish (other languages available upon request).

Compatible devices

[Mobiles] Android, [PC] Windows

Main Features

Data and voice global solution

- Group and individual secure voice communication between PTTSec phones and protected communication with landlines
- Secure instant messaging, including individual and group conversations, as well as secure file transfer
- GPS and cell positioning
- Secure video calls and encrypted video transmission
- Global mobile and IP communications in any country (2G / 3G / 4G / 5G / LTE / WiFi / satellite)

High-level security solution

The solution uses the highest levels of security, such as AES256 end-to-end encryption and the generation of a random one-use key for each call.

PTTSec architecture is based on a virtual operator (IMS server) and a client application installed on the smartphone.

Encrypted multi-point conference through conference rooms with a unified corporate telephony server.

Secure communications rooms through COMSec for PC over corporate network/ Internet.

All elements within the system can be deployed in client data center (in-house model) with full control over the whole system.

High audio quality and advanced usability

The ease of use, similar to a PMR or Tetra radio, plus the high audio quality and low delay offer an unbeatable user experience. Only one device is needed for everything (PTTSec, phone, contacts, calendar, mail, camera, music, etc.).

Its high-quality codecs and the low bitrate permits a good performance even on poor coverage or saturated networks.

Quick secure call establishment, around a second, even faster than a standard voice call.

FAQ

Can PTTSec be used anywhere?

As long as there is IP connectivity, PTTSec can be used everywhere. Thanks to its high quality and narrowband codecs it can be used on nearly any network (GPRS, satellite...).

PTTSec provides GPS and cell location, presented in a web interface, with real-time tracking, control of routes made, etc.

Does PTTSec need any network deployment?

No, PTTSec is not limited by area or country, nor needs any network infrastructure deployment. Thus, PTTSec allows the management of transnational operations, without the need for the head of operations to be in the area where the action occurs.

Is PTTSec compatible with other accessories, systems or features?

PTTSec is compatible with communications accessories, both for uniformed personnel and for undercover agents.

Can PTTSec calls be tracked or intercepted?

No. PTTSec calls are encrypted end-to-end using AES-256. Also, there is no "call" with PTTSec, just IP packets which makes call traceability almost impossible. Call management is entirely done by the IMS virtual operator and not by the mobile operator, which only provides IP connectivity.



Can PTTSec manage standard calls?

With Indra's Unified Telephony Server, calls will be secured from your phone up to your company's PBX and then routed (in clear) to the destination no matter if it is a GSM or landline.

Are conversations or messages stored anywhere?

No. Encrypted voice is never stored and messages are securely deleted after delivery, remaining encrypted until then in the servers.

Can PTTSec manage different profiles and needs?

Absolutely, PTTSec allows administrators to configure permissions and visibility among the existing users, thus, making separation among the different profiles within a corporation. For example, some users may have international calls restricted, or some can call without restrictions and only receive calls from superiors.

For more info please visit:
<https://comsec.indracompany.com/>



indracompany.com

Avda. de Bruselas, 35
28108 Alcobendas
Madrid, Spain

T +34 91 627 30 06
comercialscs@indra.com

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