COMSec / COMSec Admin+
Solution for Secure Communications

Description
COMSec is a global secure communications system that provides voice, instant messaging and video communications on commercial mobile devices over cellular, wireless and satellite networks.

COMSec is officially qualified by the Spanish National Security Agency for secure mobile communications with ENS High classification (Spanish National Security Scheme).

COMSec Admin+ is officially approved by the Spanish National Security Agency for secure mobile communications with Difusión Limitada classification (equivalent to NATO Restricted).

With a high security level, great audio quality and its ease-of-use, it protects efficiently sensitive or classified information. Calls and data interchanged by COMSec remain secure, whichever mobile operator is used, worldwide.

Target Customer
- Governments, Prime Minister’s Office.
- Public Administrations.
- Technology companies.
- Multinational financial institutions.
- Petroleum, chemical & gas conglomerates.
- Energy & electricity providers.
- Construction companies.

Use cases
The COMSec solution is designed to protect:
- Classified information interchange, up to NATO Restricted equivalent level.
- Communications of managers and directors.
- Strategic and key areas of the organization, protection of intellectual property.
- Communication between central and remote offices (abroad).
- Communication in sensitive areas, dealing with confidential information.

Sector
Governments, Ministry of Defence, Public Administration, large companies

Geographical availability
Worldwide, under exportation control and End User Agreement

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

Compatible mobile devices
iPhone, iPad, Samsung Galaxy smartphones, Samsung Galaxy Note, Galaxy Tab

Mobile operating system

Contact information
Indra Sistemas de Comunicaciones Seguras
- Sales support: comercialcs@indra.es
- Technical support: comsec@indra.es
Key Features

Global Voice and Data Communications Solution

Secure voice communications between COMSec phones, and protected voice communications with standard mobile and fixed phones through the Unified Telephony Server (STU).

Secure instant-messaging, including individual and group conversations, as well as secure file transfer. Secure video calls and encrypted video transmission.

Worldwide mobile IP communications (2G/3G/4G/LTE/WiFi/Satellite) using any device (Android, iOS, PC). The PC client (COMSecPC) is the perfect solution for office use, especially for video calls and file transfer.

High Level Security Solution

The solution implements the highest levels of security, such as ECDHE, AES256 end-to-end encryption and the generation of a random ephemeral key for each call and session.

The COMSec architecture is based on a Virtual Operator (IMS server) and a client application installed on the Smartphones. Encrypted conference rooms are available through the Unified Telephony Server.

The COMSecPC can create secure conference rooms or crisis management rooms using the corporate network and Internet. All elements within the system can be deployed On Premise or as SaaS.

The product is Common Criteria certified, qualified to handle sensitive information with ENS High classification (Spanish National Security Scheme), and approved to handle classified information up to NATO Restricted equivalent classification (COMSec Admin†).

Ease Of Use, Fast and High Quality Audio

The ease of use, similar to a standard phone, and the high quality audio with low delay, offer an unbeatable user experience, and works with low coverage or saturated networks.

The COMSec works on the user’s current smartphone, and is compatible with the other user applications in the same device.

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

Mature product, with all the experience acquired during more than nine years of development, with a perfect balance between functionality and security requirements. COMSec solution is now the first secure communications product for mobility widely accepted by the users.

FAQ

Can I use COMSec anywhere?
As long as there is IP connectivity, you can use COMSec everywhere. Thanks to its high quality narrowband codecs you can use almost any network (GPRS, satellite ...).

Can I make standard voice calls with COMSec?
With the Unified Telephony Server, calls will be secure from your phone up to the organization’s PBX and then routed (plain call) to the destination, a standard GSM or landline phone.

Are the conversations or messages being stored somewhere?
No. Encrypted voice is never stored, and messages are only stored in a temporary encrypted database if the destination is offline. Then they are securely deleted after delivery.

Can COMSec calls be traced or intercepted?
No. COMSec calls are end-to-end encrypted using AES-256. Besides, COMSec does not establish an actual call, just IP proprietary packets are transmitted, which makes call traceability almost impossible. The call management is entirely done by the IMS Virtual Operator and not by the mobile operator which only provides IP connectivity.

Are all users allowed to make the same use of the system?
COMSec allows administrators to configure permissions and asymmetric visibility among the existing users, and can establish separations between the different profiles within a corporation.

Indra reserves the right to modify these specifications without prior notice.