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2110 SMP

SECURE MOBILE PHONE

Wide Coverage Secure GSM Solution

ASELSAN 2110 SMP is a Secure Mobile Phone used for providing secure voice and data communication up to NATO Restricted level over GSM networks.

2110 SMP is capable of transferring secure speech on both GSM Voice and Data channels. By use of Secure Communication over regular GSM voice channels, 2110 SMP provides a very wide coverage area all over the world.

2110 SMP also provides secure data connection through GSM circuit switched data channels at 9.6 kbps.



Secure Communications on GSM Voice Channels, GSM Data Channels and, Satellite Networks

2110 SMP provides uninterrupted secure voice and data communication over GSM Voice channels even in absence of the GSM Data Channels because of possible incomplete GSM infrastructure or partial roaming agreements

In the areas without any GSM coverage 2110 SMP provides secure speech over Satellite Networks by connecting to the Satellite Telephones by data cable

By use of Secure Voice Communication over regular GSM Voice channels and Satellite Networks, 2110 SMP provides a very wide coverage area all over the world.



**Effectively Managed with
ASELSAN 2110 SMP Security Management System**

2110 SMP Secure Mobile Phones can be managed remotely by ASELSAN SMP Security Management System which provides secure and effective way of Crypto Key Distribution and Banned Lists Distribution as well as remote emergency zeroization in case of lost units.

**Secure SMS with
ASELSAN 2110 SMP Secure SMS Server**

2110 SMP Secure Mobile Phones can securely transfer SMS messages via ASELSAN SMP Secure SMS Server which provides private and protected SMS infrastructure apart from GSM operators.

**Compatible with
ASELSAN 2110 MECT Phones**

ASELSAN 2110 Secure Phone family has two distinct device models serving at two different confidentiality level, Secret and Restricted. 2110 SMP Secure Mobile Phones are designed to handled secure communications up to NATO RESTRICTED level, whereas ASELSAN 2110 MECT Secure Mobile Phones are designed for up to SECRET Level. The "SECRET" one can communicate with the "RESTRICTED" one if the necessary keys are loaded.

Accessories

- 2070 Fillgun Device
- 2013 CIK (Crypto Ignition Key)
- 2180 ASELSAN SMP Security Management System



Operation Modes

- **Certified "NATO Restricted" Security level Crypto Algorithm.**
- **Communication via GSM Voice Channels.**
- **Voice Traffic on GSM Voice Channels , 1.2 Kbit/s speed with SB-LPC voice coding.**
- **Voice Traffic on GSM Data Channels.**
- **Secret data Traffic at 9.6 Kbit/s speed.**
- **Secure Voice traffic over Thuraya Satellite Networks by connecting data cable.**
- **Secret SMS.**

Applications

- **Over GSM Data Channels**
 - **Secret Voice Communication**
 - **Secret Data communication**
 - **Secure SMS transfer**
- **Over GSM Voice Channels**
 - **Secret Voice Communication**
- **Over Satellite Phone Data**
 - **Secure Voice**
 - **Secure SMS**

Security Features

- **AES Crypto algorithm.**
- **Hardware based Crypto algorithms.**
- **Three way strong Authentication**
- **Data Integrity Mechanism.**
- **Battery supported Crypto Keys.**
- **Conformity to red-black separation.**
- **Emergency zeroization capability whether Energy exist or not.**
- **Emergency zeroization capability against Unauthorized User.**
- **User access control.**
- **Built-in test (BITE) capability, periodically, on startup and requested by user.**



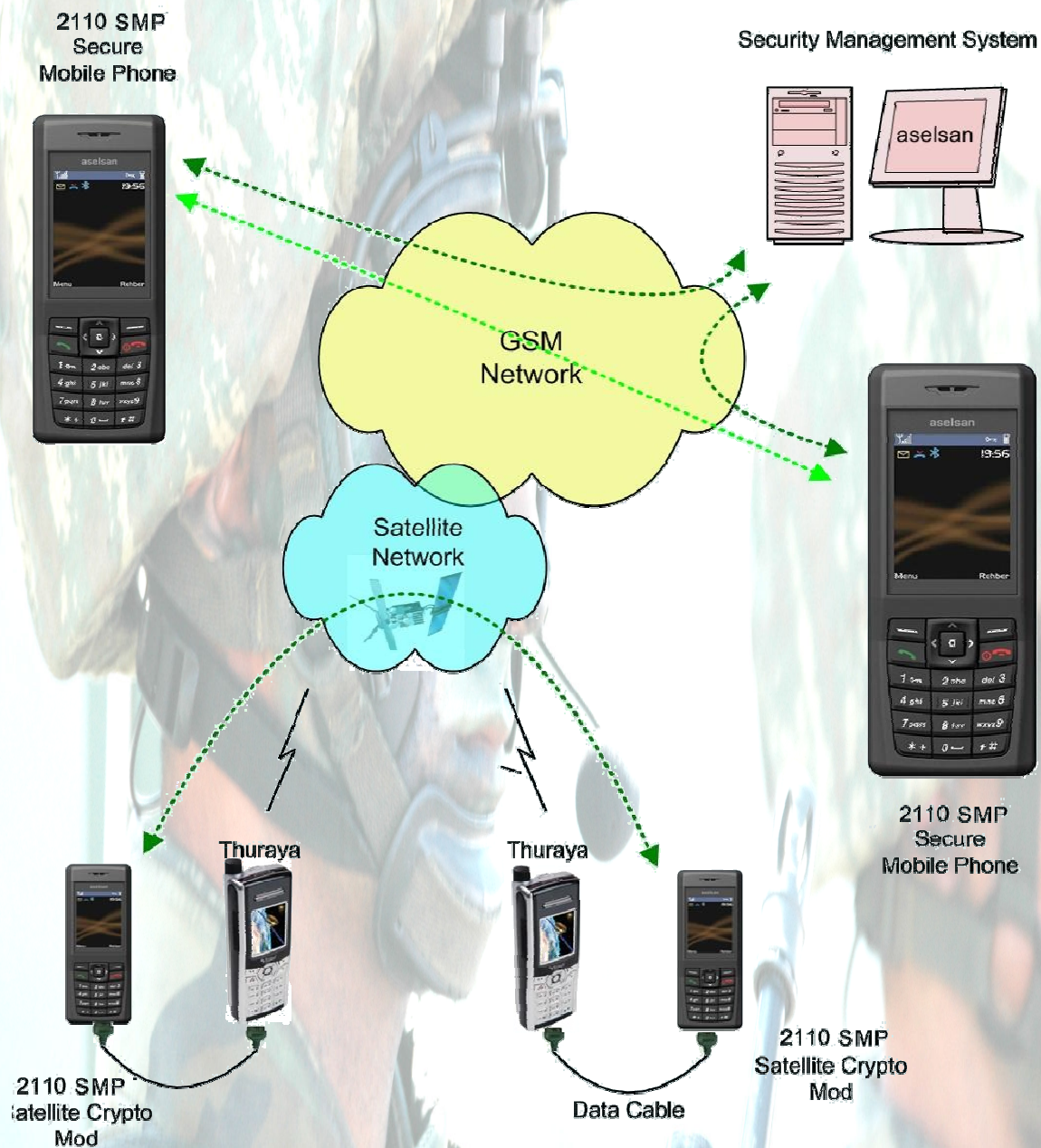
General Features

- **User access control and limitation via by CIK (Crypto Ignition Key)**
- **Manual Key Loading by Fillgun Device**
- **Remote control and key loading via ASELSAN SMP Security Management System.**
- **Banned list distribution and/or updating via ASELSAN SMP Security Management System.**
- **Improved User Interface with LCD Display and Keypad.**

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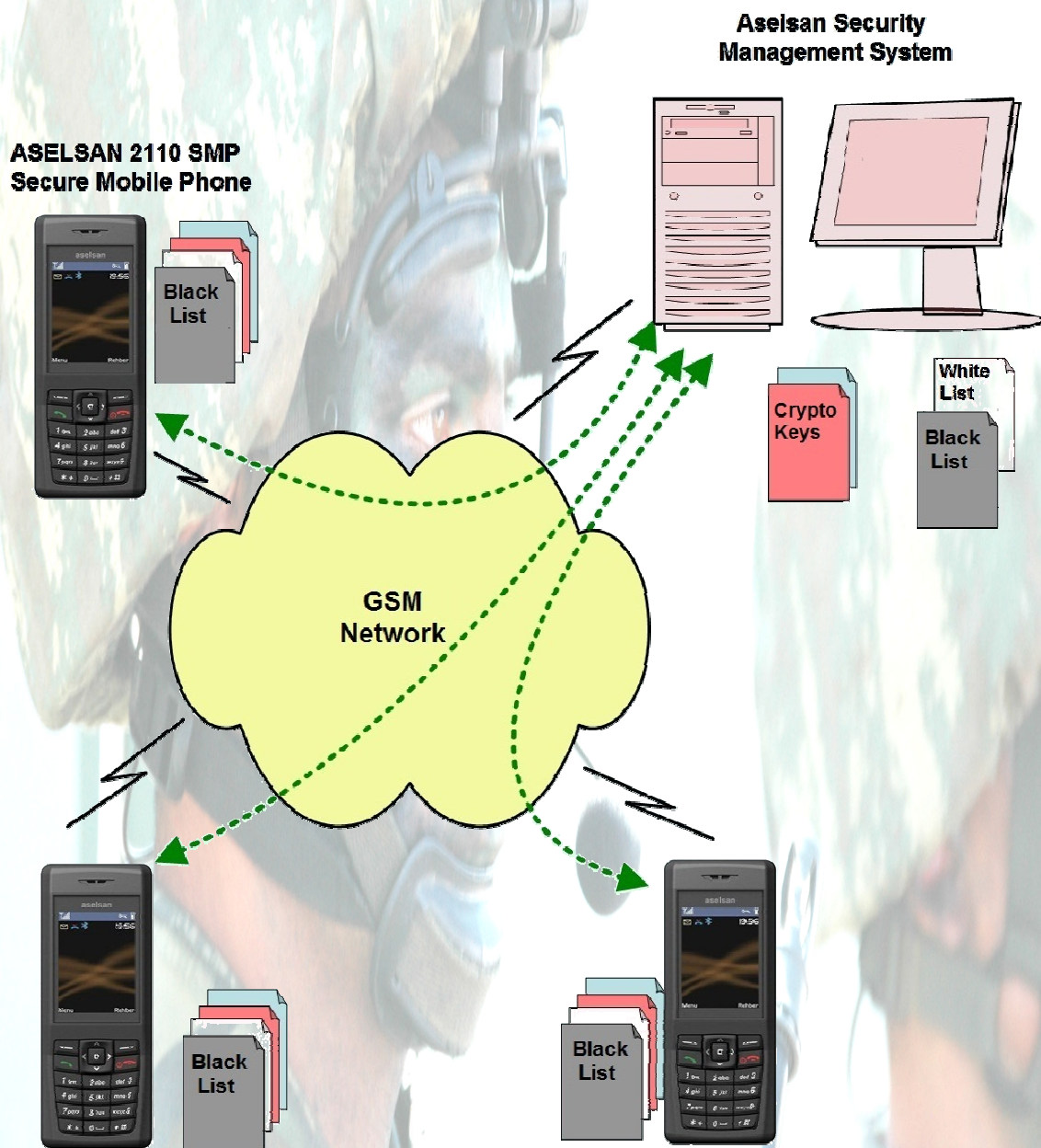
2110 SMP Use Case

ASELSAN 2110 SMP Secure Mobile Phone, provide secure communication over GSM Voice and Data Channels as well as Satellite Networks. 2110 SMP Secure Phones can be managed remotely, can be updated crypto keys and can be determined communication protocols like banned list by **ASELSAN SMP Security Management System** that is attached GSM network.



2110 SMP Security Management

2110 SMP Secure Mobile Phones can be managed remotely by ASELSAN SMP Security Management System which provides secure and effective way of Crypto Key Distribution and Banned Lists Distribution as well as remote emergency zeroization in case of lost units.



Technical Specifications

Mobile Phone Interface	GSM Quad Band 850/900/1800/1900
3th Generation	Possible with an upgrade
Voice Codec	1.2 Kbps SB-LPC
Algorithm	<ul style="list-style-type: none">• Certified "NATO Restricted" Security level Crypto Algorithm• Certified National "SECRET" Security level Crypto Algorithm for 2110 MECT ,
Authentication	Three Way Strong Authentication
Access Control	Crypto Ignition Key, CIK
Key Distribution	<ul style="list-style-type: none">• Loading remotely over GSM network via ASELSAN SMP Security Management System• Manually with Fillgun Device.
Fillgun Port	2070 FillGun compatible
User Interface	320*240 pixel Graphical LCD and Keypad
Data Interface	USB
Storage Temperature	-20°C/ +65°C
Working Temperature	0°C/ +50°C
EMI/ EMC	ETSI EN 301-489-07
Environmental Specifications	MIL-STD-810F compliant
Battery	1800 mAh Li-Ion
Speak Duration	180minutes Secure
Standby Duration	30 hours (With Battery Pack)
Weight	200 gram
Dimensions	130x55x25 mm