A‑CRYPT | KG

KEY GENERATING AND
MANAGEMENT SYSTEM

#MilitaryCommunication

aselsan

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KEY GENERATING AND MANAGEMENT SYSTEM

a-CRYPT KG generates, stores, distributes and manages cryptographic keys and certificates ensuring that your data remains secure and your communication is confidential. a-CRYPT KG is an integrated platform consisting of two key components: Key Management Software that runs on a computer and a-CRYPT KG Security Module with a built-in hardware-based truly random number generator. Together they offer a complete solution for secure key generation and management.

Key Management Software

This software, running on your computer, manages all cryptographic keys, certificates, and related operations. It ensures secure storage and lifecyle management with USB hard key, password protected user interface and hierarchical access control.

a-CRYPT KG Security Module

A dedicated hardware module that generates cryptographic keys using a hardware-based truly random number generator. This hardware ensures the highest level of security and randomness for cryptographic operations.

a-CRYPT KG programs CIK (Crypto Ignition Key) for access control and initialization purposes of the cryptographic units via a-CRYPT EPM. a-CRYPT KG distributes key material manually to the cryptographic units by a-CRYPT Fillgun devices. Additionally, a-CRYPT KG records and manages the accounting of all key generation and distribution activities, offering full visibility into the life cycle of each key and certificate.

General Specifications
- Key generation, archiving and distribution
- Crypto Ignition Key (CIK) programming
- Manual key distribution with a-CRYPT Fillgun
- Backup and restore of generated keys
- Key accounting
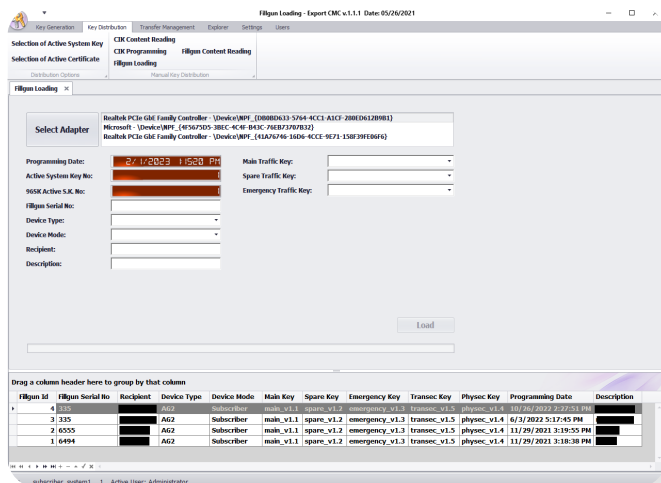- Compatible with windows 10

Security Features
- Truly random number generation
- USB hard key
- Password protected user interface
- Hierarchical access control
- Black key distribution

Technical Specifications
- Raw key generation   : Truly random
- Algorithms   : AES 128/256 or proprietary crypto algorithms
- Operating system   : Windows 10
- Storage temperature   : -40°C/ +75°C
- Operating temperature : -10°C/ +60°C

Software + 2018 security module + 2018 CIK programming module

a-CRYPT Fillgun

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