



FORWARD THINKING IT SOLUTIONS

## PrivacyPUK: Personalization for PKI Smart Cards and USB Token

### **The card pre-personalization solution for PKI smart cards and USB tokens with PIN and PIN Unblock Codes (PUKs)**

#### **Smart Card Personalization for PIN and PUKs in One Single Step**

PKI tokens and cards can be personalized quickly and easily with the application PrivacyPUK. PrivacyPUK initializes the cards, generates a PIN and the PUKs values or the SO PIN and loads them onto the card. At the same time, a PIN mailer that provides the card specific details to the future user can be printed.

PrivacyPUK provides the following functions:

- » Pre-personalize cards/tokens with PIN, PUKs or the SO PIN and security parameters
- » Retrieve and manage PUKs
- » Key and access management for the PUK database

PrivacyPUK processes new or used cards. If the card PIN is not known, the card will be initialized first, i.e. all data on the card will be erased. Subsequently, the PIN and the PUK values are generated and transferred to the card. Some cards require the SO PIN to be reinitialized.

PrivacyPUK is ready to personalize the next card, as soon as the PUK database is updated and the PIN mailer is printed.

PrivacyPUK personalizes cards that have the feature "PIN Unblock Code" (PUK) enabled or it works with regular cards. As mentioned earlier, PrivacyPUK works with PKI USB tokens as well as with smart cards.

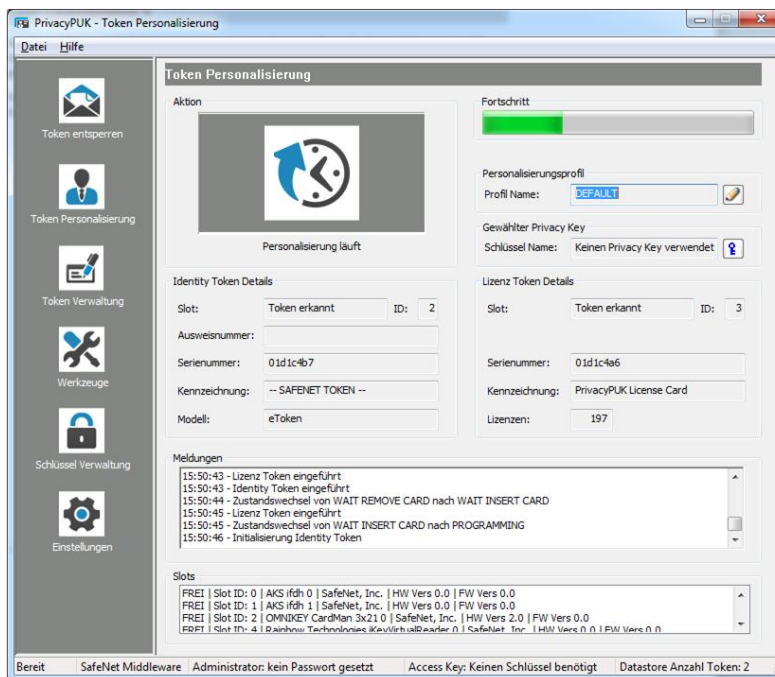
#### **Reliable Progress Monitoring**

A message window and a progress bar allow monitoring the personalization progress. The communication to and from the card is reported in the message window. Exceptions can be identified immediately and efficiently.

#### **Flexible Configuration**

PrivacyPUK is configurable to suit individual requirements. The number of PUKs as well as length and complexity of the PIN and PUK values are configurable according to the company's security policy. These and other configuration

# PRIVACYPUK: PERSONALIZATION FOR PKI SMART CARDS AND USB TOKEN



## Security Features - Keys for Access Control and Encryption

PrivacyPUK features a number of security elements. An administrator password limits access to the configuration screens. An access key protects access to the database. One or more privacy keys encrypt the critical PUK data in the database. The keys can be defined by the administrator and stored on smart cards or tokens.

Combining these security features allows configuring PrivacyPUK for almost any application scenario.

## Simple and Secure

PrivacyPUK can be run directly from an USB memory stick. This memory stick can be stored in a safe place, if not in use.

This feature provides a high degree of security without complex dependencies.

## Supported PKI cards and tokens

PrivacyPUK supports tokens/ cards from SafeNet/Gemalto (330, 400, 4100, iKey2032 and 4000) as well as from ATOS (CardOS 4.4 and 5).

## License Models

PrivacyPUK is licensed per personalized card. This allows an economical use of the application also for the roll out of smaller quantities of cards or token.

## Systems Requirements

PrivacyPUK is a Windows application (Windows 7 and 8). Two card readers or USB-Tokens are required. One reader is required for the license or key card and the other one for the card/token to be personalized.

settings can easily be maintained in a protected configuration screen.

The layout and the content of the PIN mailer can be customized, as well. The PIN mailer is based on a template file that can be generated and modified by any word processor.

## Retrieve PUKs- Easy Access to PUK Data

PrivacyPUK includes the Retrieve PUK function, a database query that can be used by help desk and support specialists. This query function provides easy access to the protected PUK values in the database, if the card serial number can be provided. The Retrieve PUK function can be used with a personalized smart card only, in order to prevent unauthorized access.

## Supports Challenge/Response

Some of the cards support the challenge/response method to unblock cards. The help desk specialists can generate the response that allows the user to unblock the card. To generate the response, the help desk specialist needs to know the card serial number and the challenge value.