



## SafeSign Identity Client Minidriver

UZI-pas 3 QSCD Activation



## Table of Contents

Table of Contents.....	II
Table of Figures .....	III
Warning Notice.....	IV
Document Information.....	V
About the Product .....	VI
<b>1 QSCD Card Activation .....</b>	<b>1</b>
<b>2 UZI-pas 3 QSCD .....</b>	<b>2</b>
<b>2.1 Activate UZI-pas 3 .....</b>	<b>2</b>
<b>2.2 Activated UZI-pas 3 .....</b>	<b>3</b>
<b>3 Non-Activated UZI-pas 3.....</b>	<b>4</b>
<b>3.1 UZI-pas 3 not (yet) activated .....</b>	<b>4</b>
3.1.1 Document signing.....	4
3.1.2 Web authentication.....	4
<b>3.2 Incorrect PIN during Activation UZI-pas 3.....</b>	<b>5</b>
3.2.1 PIN Status and Retry Counter .....	6
3.2.2 Locked PIN .....	6
<b>3.3 Change PIN of UZI-pas 3.....</b>	<b>6</b>
<b>3.4 Unblock the UZI-pas 3.....</b>	<b>6</b>



## Table of Figures

Figure 1: Token Administration Utility: Activate card.....	2
Figure 2: Activate card.....	2
Figure 3: Activate card: Information.....	3
Figure 4: Activate card: Do NOT use this card unless YOU have activated it before .....	3
Figure 5: Adobe Reader: Error Information .....	4
Figure 6: Internet Explorer: Cannot securely connect to this page .....	4
Figure 7: Firefox: Secure Connection Failed.....	5
Figure 8: Chrome: This site can't be reached.....	5
Figure 9: Activate card: PIN incorrect.....	5
Figure 10: Token Administration Utility: This card cannot be activated and shall NOT be used .....	6



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## About the Product

This competent all-rounder in terms of strong authentication, integration and compatibility gives you complete freedom and flexibility. Once rolled out, SafeSign Identity Client (IC) serves as the perfect guard for IT security and enables unlimited possibilities for securing your IT infrastructure.

SafeSign IC offers the most comprehensive support available on the market for (card) operating systems, smart cards, USB tokens, languages and functions. This means you have sustainable and permanent freedom of choice when it comes to manufacturer independence.

SafeSign IC enforces two- or multi factor authentication/logon to the network, client PC or application, requiring the end user to have both the USB token or smart card (something you have) and a Personal Identity Number (something you know). USB tokens and smart cards are physically and logically tamper-resistant, ensuring that the end user's digital credentials can not be copied, modified or shared. Authentication based on smart cards or USB tokens provides the highest degree of security.

SafeSign IC is available for both fixed and mobile devices like desktops, servers, laptops, tablets and smart phones. SafeSign IC is also found in Thin Clients, printers or any other devices requiring authentication.



## 1 QSCD Card Activation

In accordance with the (European) eIDAS Regulation and related standards for cryptographic modules, the legitimate user / signatory of a Qualified Signature Creation Device (QSCD) is responsible for activating the card (keys), i.e. to change the state of the card (keys) from non-operational to operational.

When a QSCD is inserted in the smart card reader, the SafeSign IC middleware will enable the user to activate the card, based on the presence of the Common Criteria (CC) certified SafeSign IC applet and the card specific ATR. If these conditions are met, the Token menu of the SafeSign IC Token Administration Utility will display the option 'Activate Card'.

- 🔗 Note that the activation process for particular cards may differ.



## 2 UZI-pas 3 QSCD

Unlike the UZI-pas 2 card, the UZI-pas 3 card needs to be activated before it can be used. This is due to the fact that the UZI-pas 3 card is a QSCD (Qualified Signature Creation Device), that can be used for creating qualified digital signatures. Before the UZI-pas 3 card is valid and can be used, the keys on the card will have to be activated, i.e. made operational.

From SafeSign IC Minidriver Version 3.5.6.1 onwards, the SafeSign IC Token Administration Utility offers users of an UZI-pas 3 QSCD to activate their card.

- Note that activating the UZI-pas 3 card requires the user to authenticate to the card by entering the correct PIN, as included in the PIN mailer the user has received, there is no separate or special activation code required.

### 2.1 Activate UZI-pas 3

When an UZI-pas 3 is inserted in the smart card reader, the SafeSign IC middleware will enable the user to activate the card, based on the presence of the CC certified SafeSign IC applet and the specific UZI-pas 3 ATR.

- If these requirements are met, the Token menu of the SafeSign IC Token Administration Utility will display the option 'Activate card':

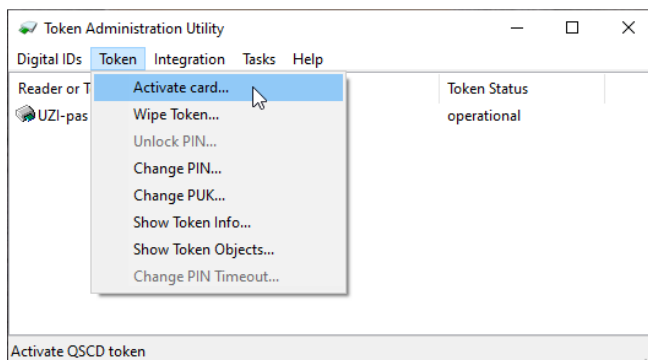


Figure 1: Token Administration Utility: Activate card

- If this option is selected, the *Activate card* dialog will be displayed:

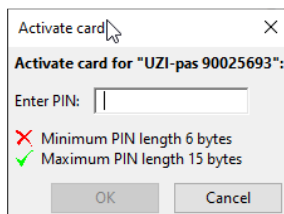


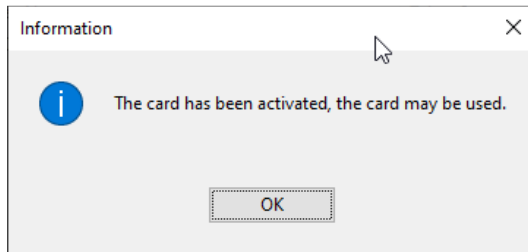
Figure 2: Activate card

This dialog will ask the user to enter the PIN (i.e. to authenticate with his PIN) for the UZI-pas 3 card, which is included in the PIN mailer the user has received.



3

After entering the correct PIN and clicking **OK**, the card will be successfully activated:



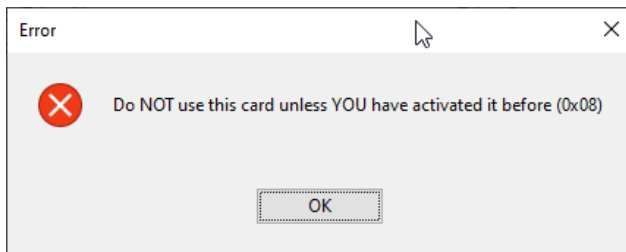
*Figure 3: Activate card: Information*

The keys on the card are activated now and ready to be used.

## 2.2 Activated UZI-pas 3

When the UZI-pas 3 has been activated, the card and its keys can be used in PKI applications.

However, if the card is already activated and the user tries to activate his card for the second time (or subsequent times), the following message will be displayed:



*Figure 4: Activate card: Do NOT use this card unless YOU have activated it before*

- ➔ It is important that activating the card is a one-time and conscious action of the user. If the user tries to activate the card and gets the error message above, and he did not activate the card himself / herself before, he should verify why this is so or who activated his card and **not** use it.



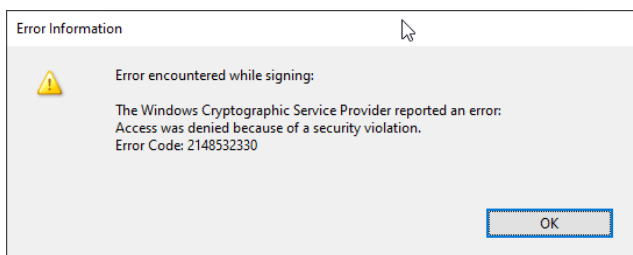
## 3 Non-Activated UZI-pas 3

### 3.1 UZI-pas 3 not (yet) activated

If the user does not activate the card, the keys on the card cannot be used, although the card does have a valid PIN and the user enters it correctly. This means that if the user tries to use the card with PKI applications before it is activated, an error message will be displayed.

#### 3.1.1 Document signing

In Adobe Reader DC, the following error message will appear when signing a document (after the certificate for signing was selected and the correct PIN was entered):

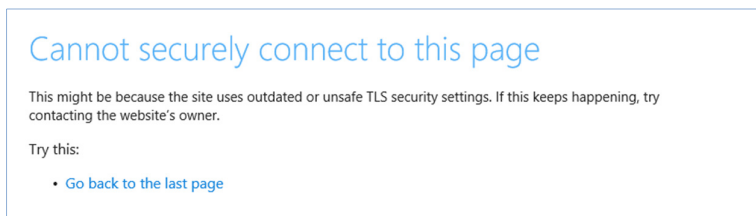


**Figure 5: Adobe Reader: Error Information**

#### 3.1.2 Web authentication

In a web browser, when trying to authenticate to a secure (IIS) website with a card that has not been activated yet (after the certificate for signing was selected and the correct PIN was entered), you will get an error message.

Internet Explorer:



**Figure 6: Internet Explorer: Cannot securely connect to this page**



In Firefox:

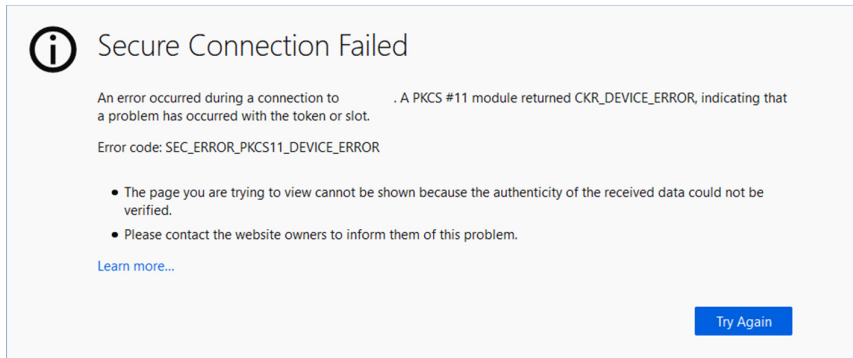


Figure 7: Firefox: Secure Connection Failed

In Chrome:

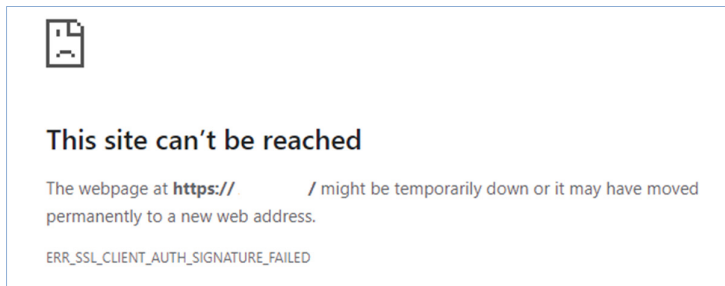


Figure 8: Chrome: This site can't be reached

- Note that the screenshots above are included as an example only. Actual error messages may differ.

### 3.2 Incorrect PIN during Activation UZI-pas 3

If the user enters an incorrect PIN when activating his UZI-pas 3 card, the following error message is displayed:

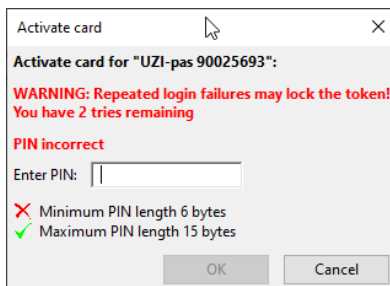


Figure 9: Activate card: PIN incorrect

### 3.2.1 PIN Status and Retry Counter

A retry counter of three attempts exists for entering the correct PIN upon activation.

In the *Token Information* dialog (**Token > Show Token Info**), the status of the PIN is displayed.

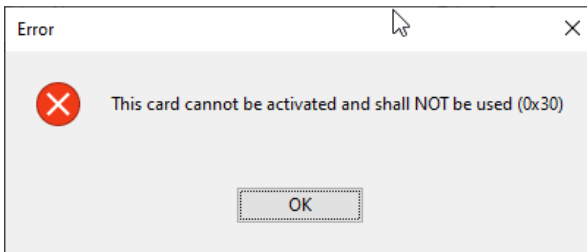
There are four possible scenarios:

- 1 OK
- 2 PIN has been entered incorrectly at least once
- 3 One final attempt left to enter the PIN correctly
- 4 LOCKED

In addition, when you perform an operation within the Token Administration Utility, such as Activate Card (or any other item for which PIN entry is required), you will also receive information on the status of the PIN in the dialog involved.

### 3.2.2 Locked PIN

If the user enters an incorrect PIN three times, the following error message will be displayed:



**Figure 10: Token Administration Utility: This card cannot be activated and shall NOT be used**

The card cannot be activated and shall not be used.

The locked status of the PIN will be displayed in the *Token Information* dialog as well.

## 3.3 Change PIN of UZI-pas 3

It is possible to change the PIN for the UZI-pas 3 before the card is activated.

However, the user should nevertheless activate the card, before he is able to use it.

If he changes the PIN of the card before activating it, he should use this new PIN to activate the card.

## 3.4 Unblock the UZI-pas 3

If the user enters an incorrect PIN (three times) during activation of the UZI-pas 3 card, the PIN will be blocked.

However, if the user also knows the PUK, he will be unable to unlock the PIN with the PUK, upon which he can activate the card with the new PIN.