SiPass integrated MP2.70

Enrolment Reader for Web Client

www.siemens.com/buildingtechnologies

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1. Introduction

With the HID OMNIKEY 5427 CK we have the possibility to use the Keyboard Wedge support. The Reader retrieves data from a card and insert the read information directly to any application by emulating keyboard strokes. The following document describe how to read out the UID/CSN from MIFARE Classic and Mifare DESfire cards.

To configure the HID OMNIKEY 5427 CK you have to install the HID Global USB-CDC-EEM Driver. You can Download the Driver form HID Global Website.

www.hidglobal.com/drivers
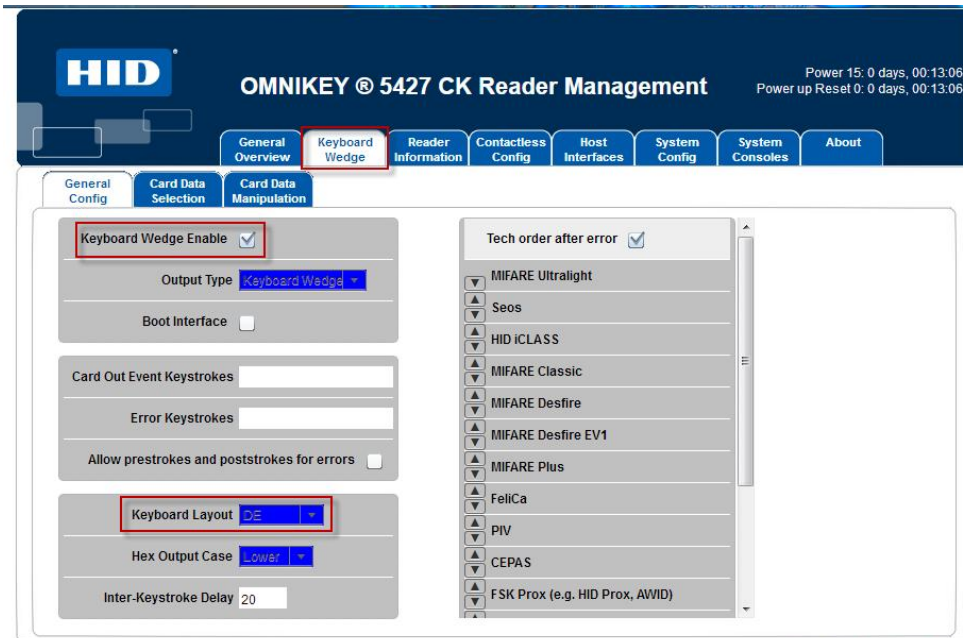
1.1 OMNIKEY 5427 CK Reader Configuration

Connect the OMNIKEY 5427 CK Reader via USB to your Client and open the following IP via a Web browser: http://192.168.63.99/
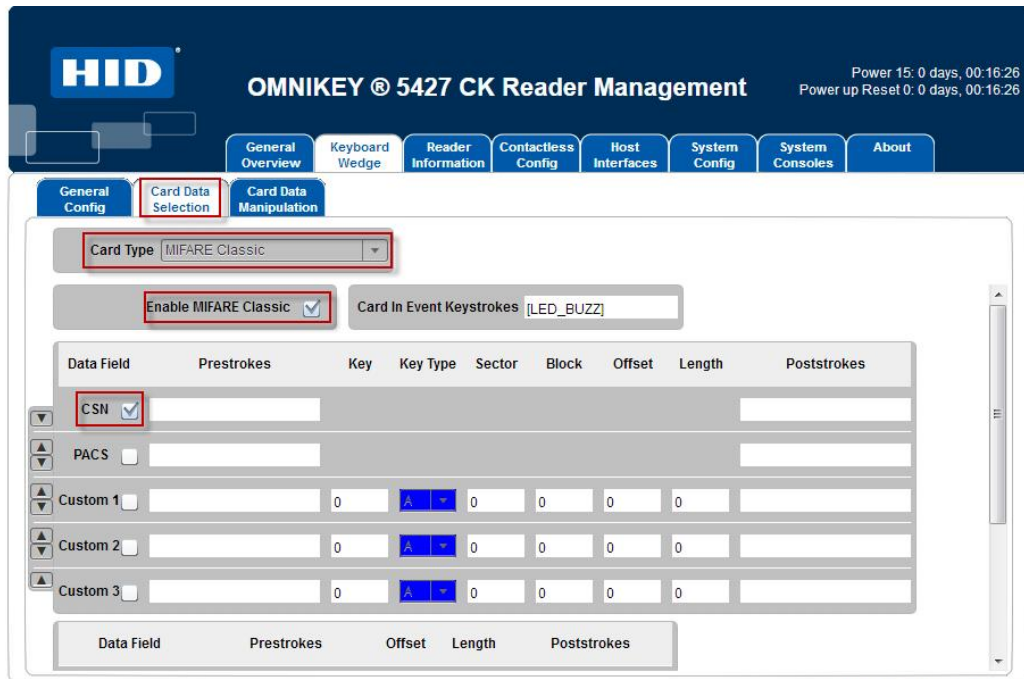
1.1 OMNIKEY 5427 CK Reader Configuration

Select Keyboard Wedge-> Enable the Keyboard Wedge and select your Keyboard Layout on the General Configuration.
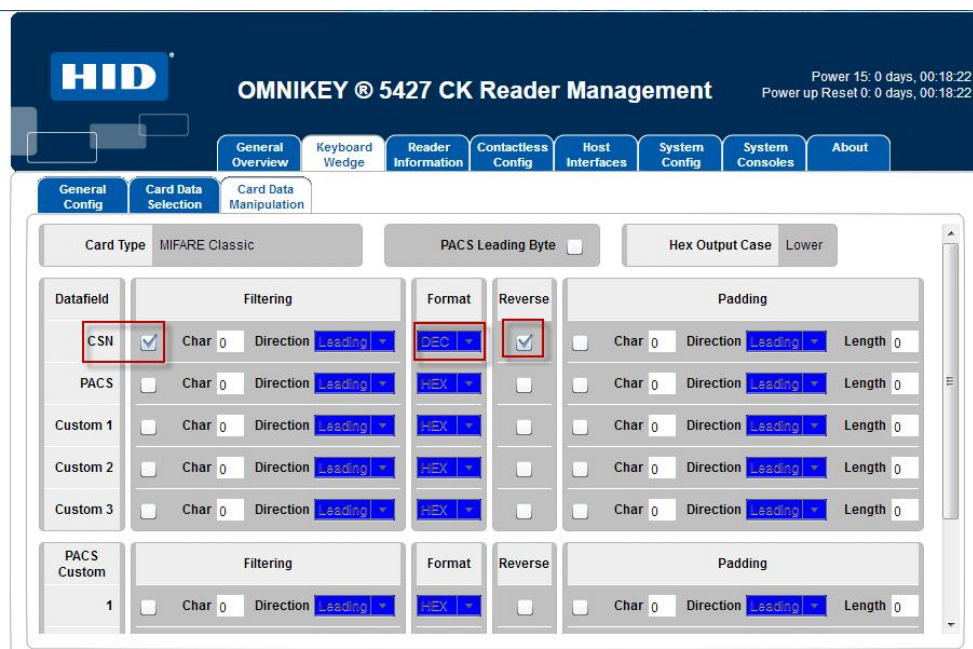
1.2 Read the UID/CNS from MIFARE Classic / DESfire cards

On Card Data Selection Enable MIFARE Classic and the CSN Data Filed. Additional you have to disable the PACS option.
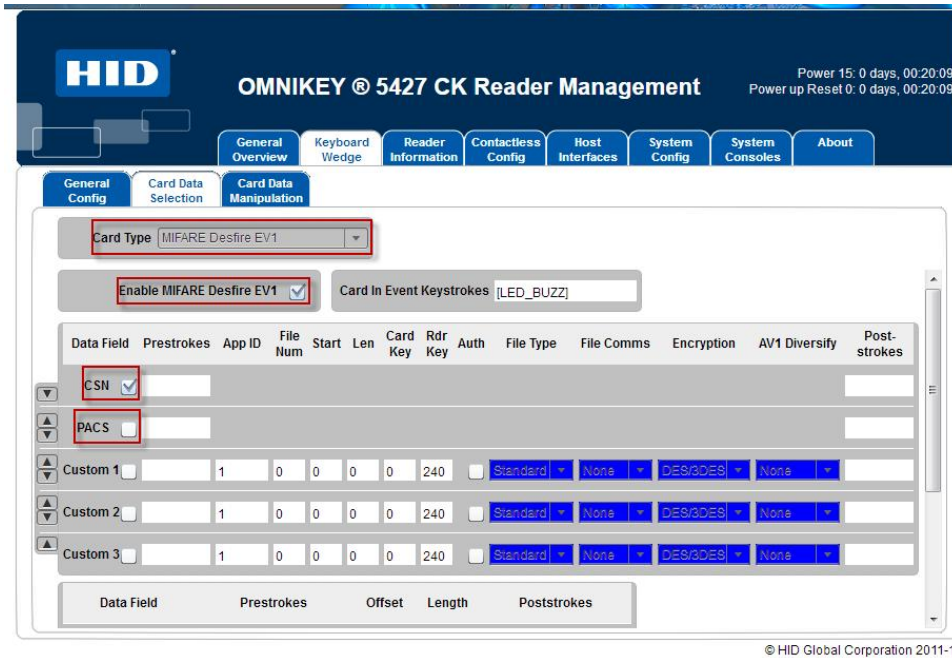

On Card Data Manipulation select the CSN, Change the Format to DEC (decimal) and Enable the Reverse option.
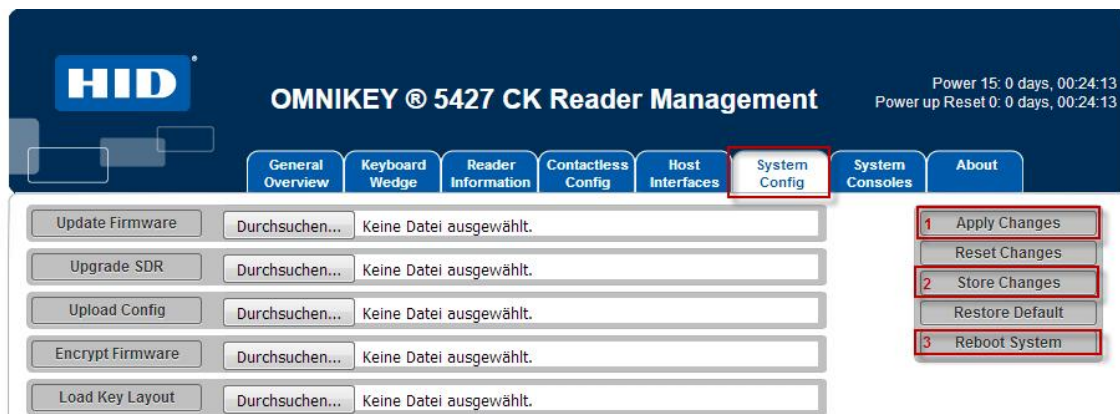
1.2 Read the UID/CNS from MIFARE Classic / DESfire cards

If you also want to read Mifare DESfire cards your have to configure the Card Type for Mifare DESfire the same way.

To finish the configuration you have to select System Configuration-> Click Apply Changes-> Store Changes-> Reboot System

Now the OMNIKEY 5427 CK Reader is configure and ready to use.

Note: You only have to configure the reader ones. The configuration is stored in the reader and it can be used on every Windows PC.

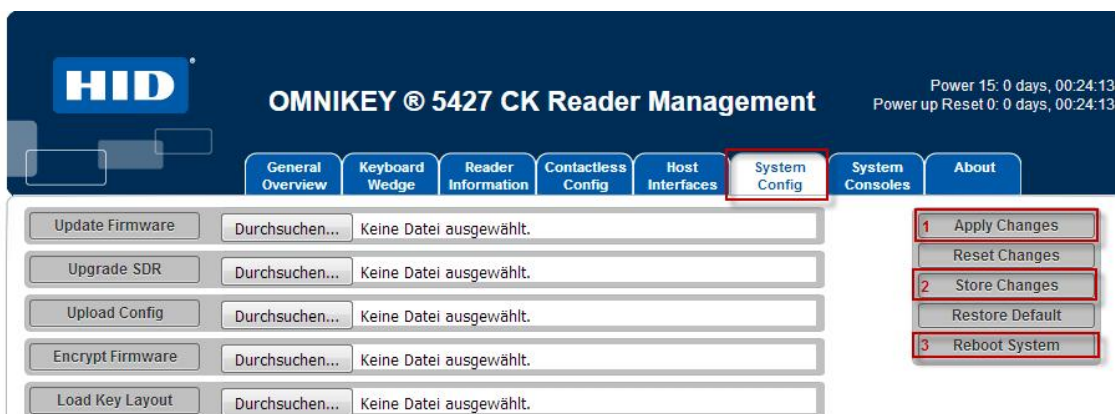# 1.3 Read encoded card number from MIFARE Classic / DESfire cards

With the OMNIKEY 5427 CK you can also Read out Sector/Block from a MIFARE Classic card or Application/File from a DESfire card. To enter the Mifare/DESfire Key to the reader you have to order a License called the "OMNIKEY 5x27CK Developer Center" from HID. With this license you can download the "Key Loading Tool".

Without this tool it is not possible to apply any keys to the reader.

Connect to the reader and Disable the Keyboard Wedge.
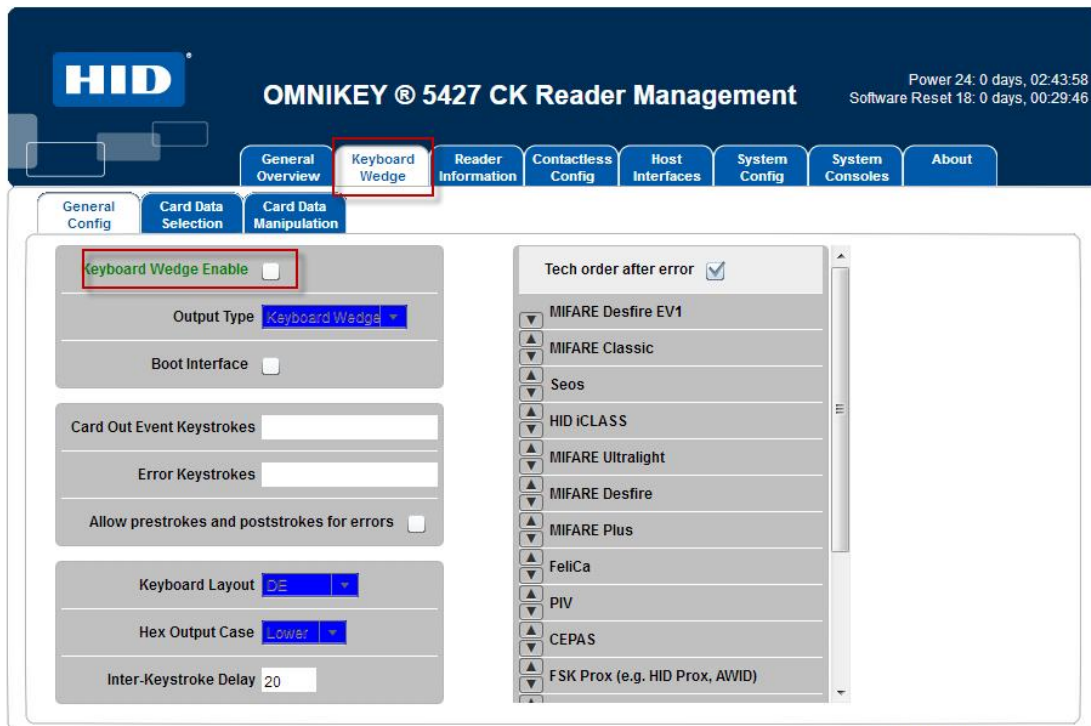
Go to System Configuration-> Click Apply Changes-> Store Changes-> Reboot System.
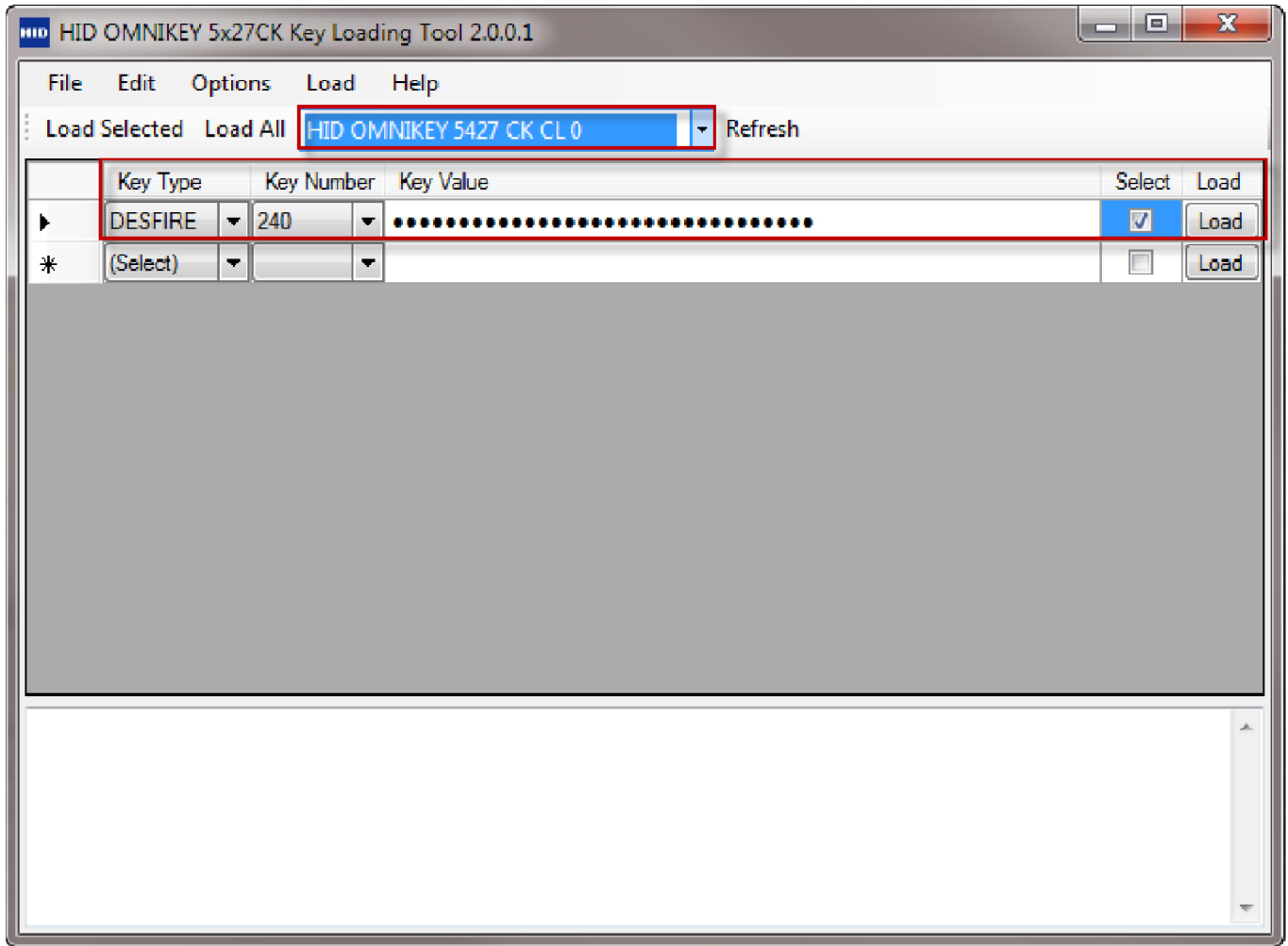
1.3 Read encoded card number from MIFARE Classic / DESfire cards

Open the HID OMNIKEY 5x27 CK Key Loading Tool.

Take care that the correct reader is selected in the drop down filed.

Select the Key Type (DESfire or Mifare), Select the Key Number (this will be need in the configuration tool of the reader), enter the key at the Key Value filed, check "Select" and click on Load.


Note: If the Keyboard Wedge is enabled the reader will not be shown in the drop down filed.

1.3 Read encoded card number from MIFARE Classic / DESfire cards

Connect to the reader -> select Keyboard Wedge-> Enable the Keyboard Wedge and select your Keyboard Layout on the General Configuration.
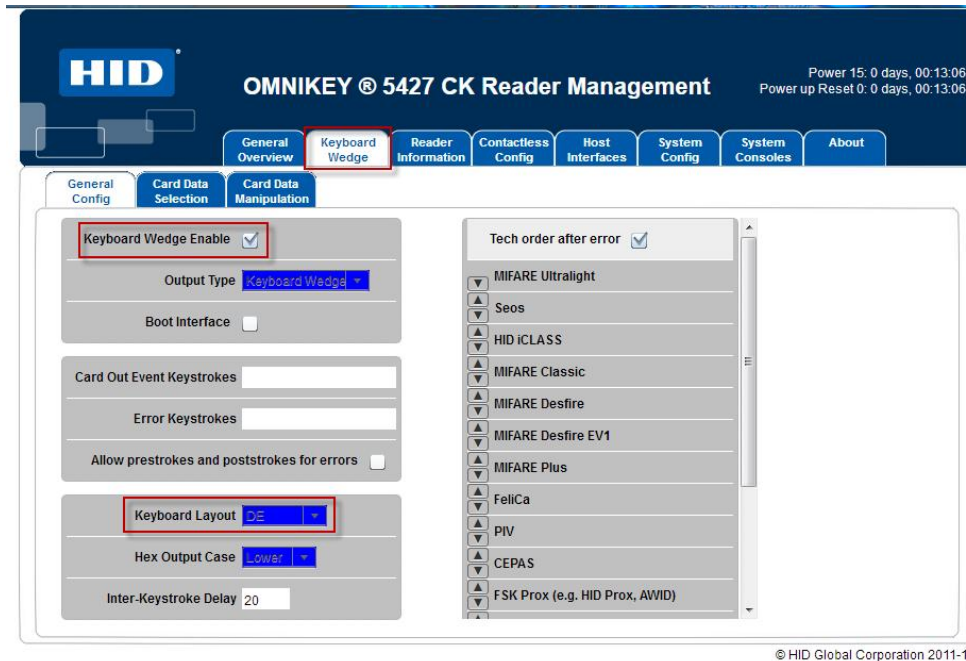
On Card Data Selection Enable MIFARE Classic/MIFARE DESfire EV1 and disable the CSN Data Filed and PACS option.
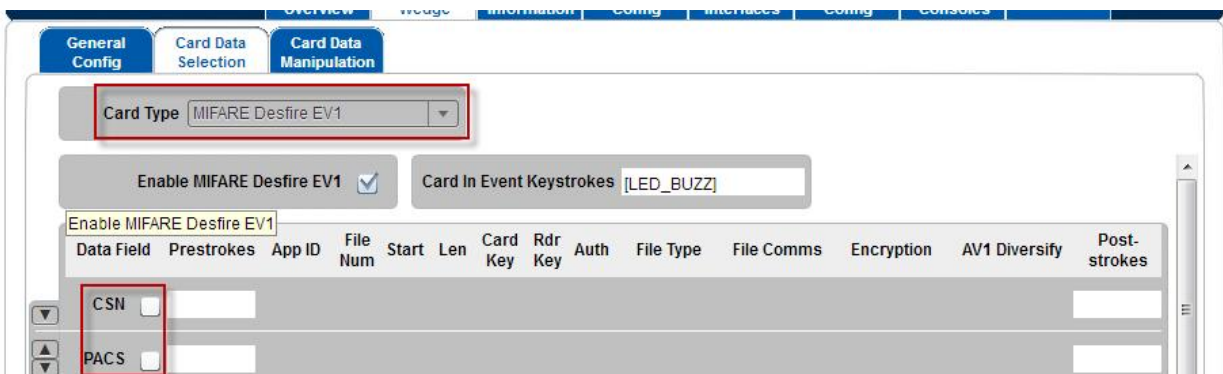
Enable the Custom 1 Field-> Enter the Application ID, the File number, the length and the Card Key as in the SiPass Profile configuration.

Check that the Reader Key is the same as in the Key Loading Tool.

The Encryption must be the same as from the SiPass Key configuration.

Note: The SiPass Mifare Facility is encrypted written to the card. It is not possible to read the card number from this file. It is necessary to create a second application/file where the card number is written ASCII formatted with Access Control None.
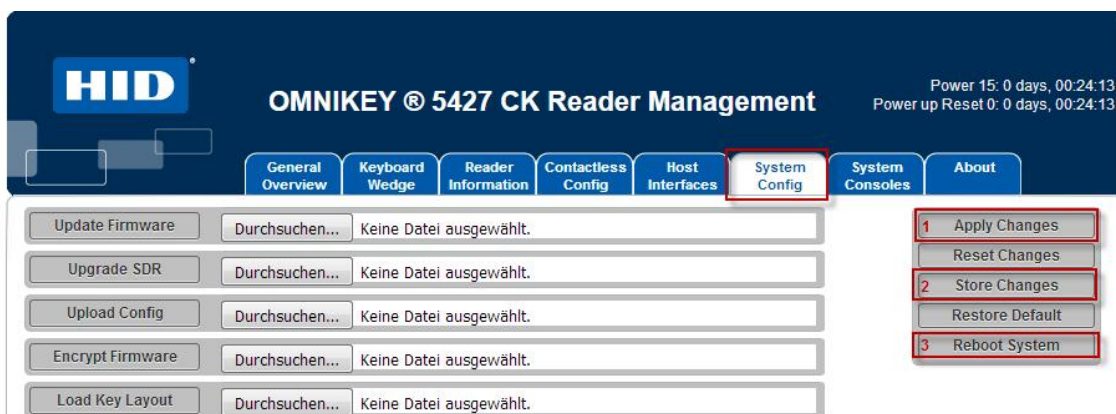
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On Card Data Manipulation select the Custom 1 Field and Change the Format to ASCII (as in SiPass).
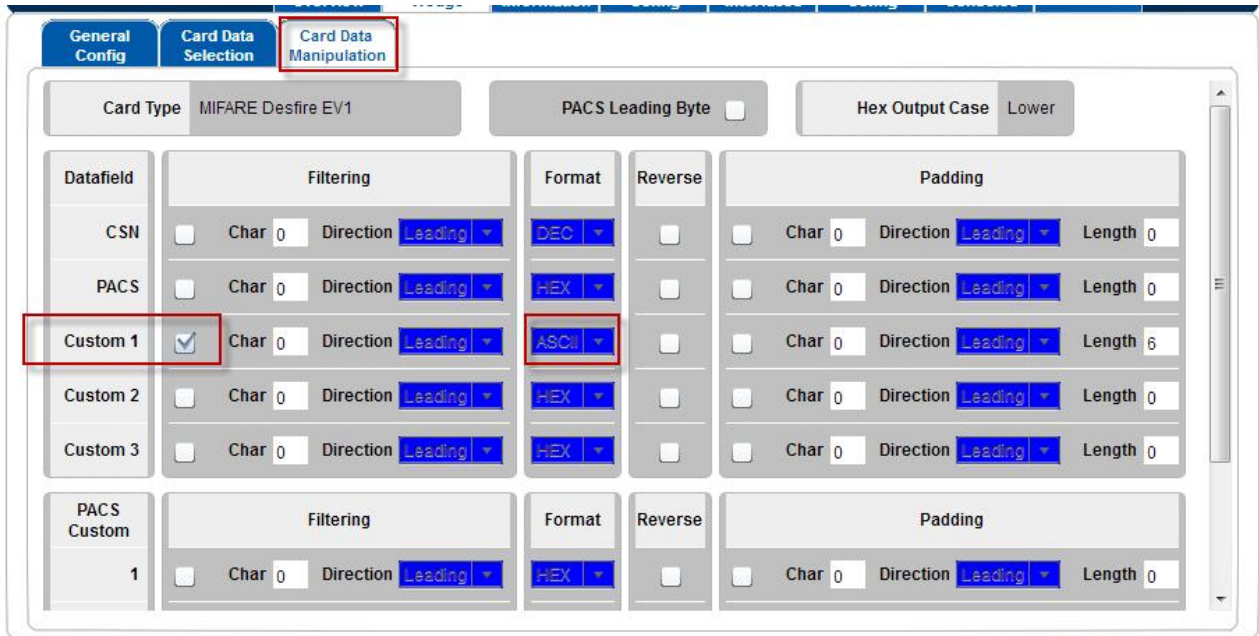
To finish the configuration you have to select System Configuration-> Click Apply Changes-> Store Changes-> Reboot System


Now the OMNIKEY 5427 CK Reader is configure and ready to use.

Note: You only have to configure the reader ones. The configuration is stored in the reader and it can be used on every Windows PC.

2. Enrolment in SiPass Web Client

To enroll a card via the SiPass Web Client add a new Credential -> select the Card Number field and show the card on the OMNIKEY 5427 CK reader.

The Card number will be automatically typed by the Keyboard Wedge function.
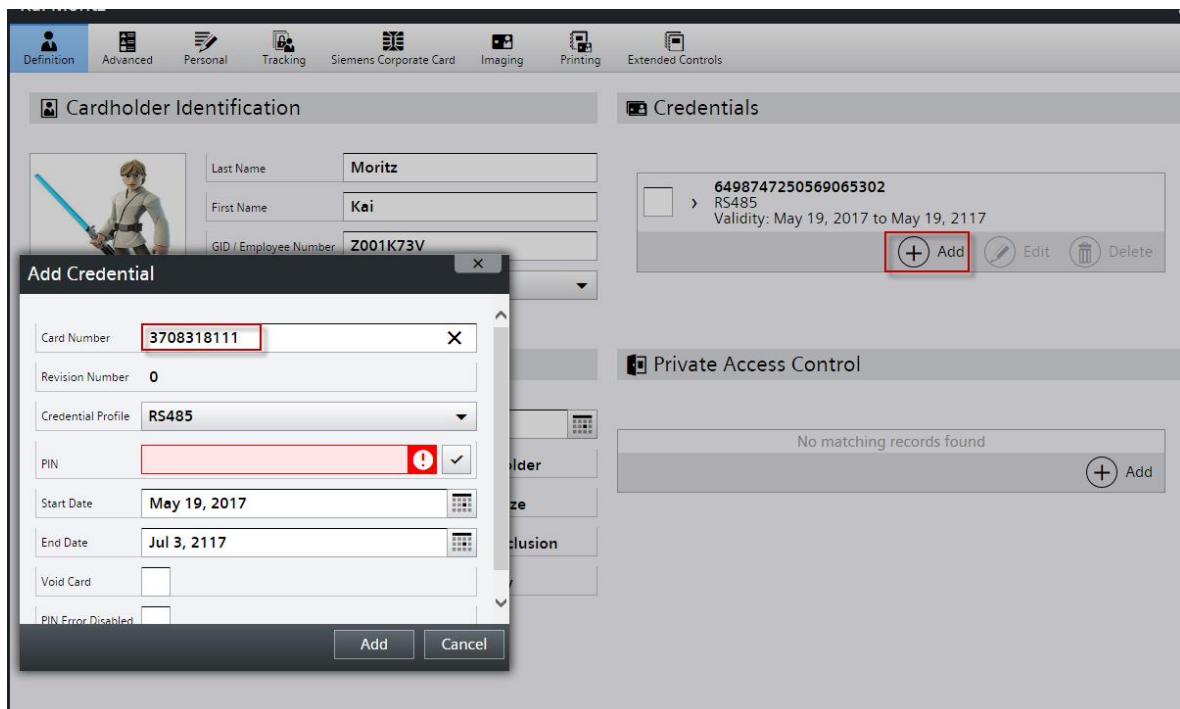
3. Contact page

BT CPS S&C MK&B CSFS MCH- Customer Support Center

Technical support for the SiPass integrated software and associated firmware is managed by the CPS FS Customer Support Center. For support relating directly to the hardware you will need to contact Vanderbilt.

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