XPR Group PROX-USB-X RFID Desktop Reader User Manual

Contents

XPR Group PROX-USB-X RFID Desktop Reader

Product Specifications:

- **Product Name:** PROX-USB-X
- **Supported Languages:** EN, FR, IT, ES, DE, NL
- **Type:** RFID Desktop Reader
- **Revision:** 1.02 – 03.02.2022

Product Usage Instructions

Configuring the Reader:

Make sure the reader is configured for the correct credential type and ID number format using the PROX-USB-X Configurator software.

1. Run the software or open the file to insert ID numbers.
2. Connect the reader to your workstation.
3. Set the focus to the field where the ID number should be typed.
4. Present the card to the reader.
5. The ID number will be typed in the field.
6. Repeat steps 3 to 5 for all credentials.

Using the Reader:

After configuring the reader:

1. Set the keyboard focus to the bottom text field by clicking on it.
2. Present the card to the reader.
3. If the card matches the reader configuration, the ID number will be typed in the text field.

Frequently Asked Questions (FAQ):

What should I do if the ID number is not being typed in the field?

If the ID number is not being typed, ensure that the reader is correctly configured for the credential type and ID format. Also,check if the card being used matches the reader's configuration.

Can I use the reader with different credential types?
Yes, you can use the PROX-USB-X reader with different credential types by configuring it using the provided software.

SPECIFICATIONS

- Technology: RFID (125 kHZ, 13.5 MHz)
- Interface: USB
- Supported credentials (CSN): EM4100, HID PROX Compatible, HID iClass, ISO15693, Mifare (Classic, DESFire, Plus, Ultralight)
- Card encryption (Mifare DESFire): Xsecure, Custom Encryption
- Driver: Not required
- Compatibility: Windows, Linux, macOS
- Keyboard emulation: Windows, Mac and Linux
- Configuration: Using Windows software "PROX-USB-X Configurator"
- Power supply: 5 V DC (USB), 150 mA
- Sound Indicator: Internal buzzer
- LED Indicators: Red, Green
- Housing: Black ABS
- Environmental rating: Indoor
- Operating temperature: +5°C to +40°C
- Operating humidity: 5% – 95% relative humidity, non-condensing
- Dimensions (mm): 51 x 92 x 27

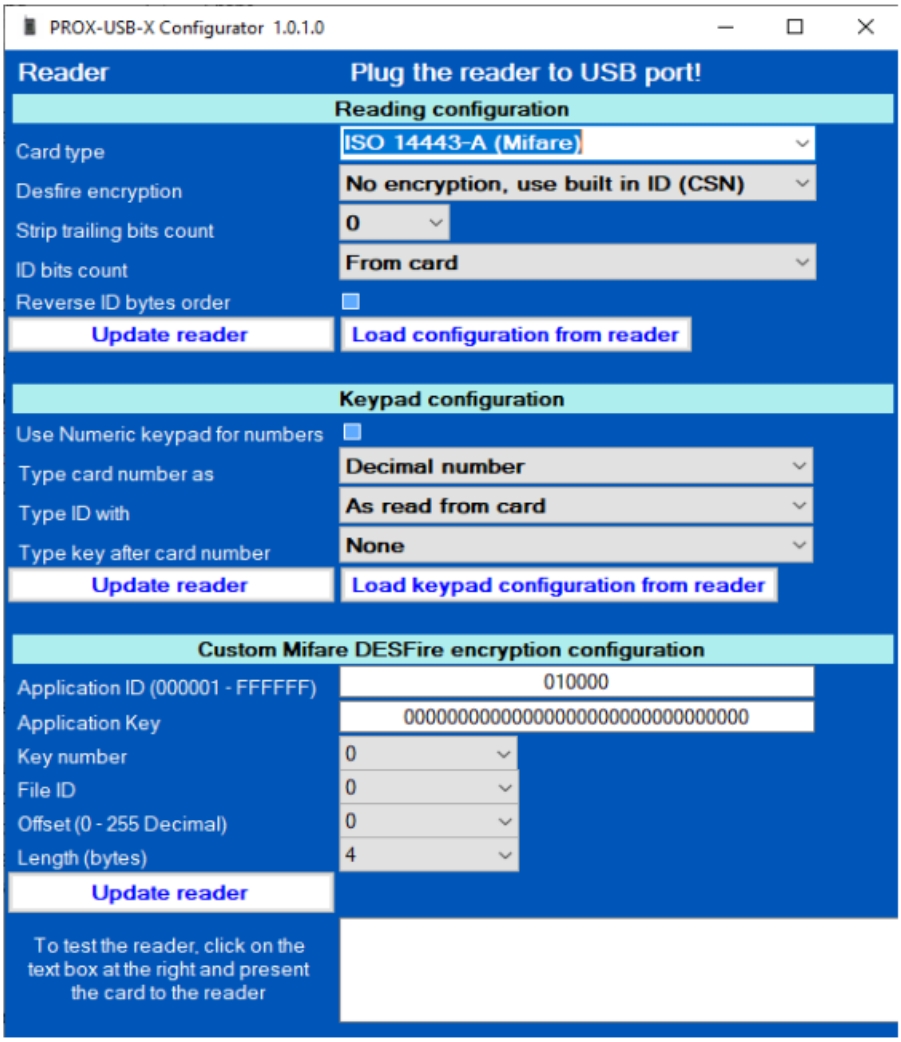
You can download the PROX-USB-X Configurator software from: **https://software.xprgroup.com/**.

CARD READING

Make sure the reader is configured for the correct credential type and format of the ID number. Use "PROX-USB-X Configurator software" if you need to configure the reader.

1. Run the software or open the file to insert ID numbers.
2. Connect the reader to your workstation.
3. Set the focus to the field where the ID number should be typed.
4. Present the card to the reader.
5. ID number will be typed in the field.
6. Repeat steps 3 to 5 for all credentials.

READER CONFIGURATION



The reader has three setting segments. Each segment can be configured separately by clicking on the tab “Update reader”. Each segment can be loaded from the reader by clicking on the tab “Load” except the encryption configuration segment. When the reader is connected to the PC, in the “Reader” field will display the reader communication port, firmware version, and concept. Do not connect other readers to the PC except the one you want to configure. The reader will only read credentials defined in the settings. To read different credential types without changing the reader configuration, you may connect more readers to your workstation, each configured for different credentials.

READING CONFIGURATION SEGMENT

This segment defines the credential type and processes the ID number before it is sent to the workstation.

- Card type. Selection of the credential that the reader will read.
- DESFire encryption. If the Card type is ISO14443-A (Mifare), this parameter defines the security level of the ID number.
- Strip-trailing bits count. After the reader reads the ID from the card, the ID bits will be shifted for places defined in this parameter.

  This option is useful in cases where the ID from the credential contains parity bits that are not to be calculated in the ID.
- ID bits count. Defines how many bits from the ID will be sent to the host. As an example,if the access control system uses 32-bit IDs and uses Mifare DESFire credentials that have 56 bits, set this parameter to 32 so the system can receive the same ID from the desktop reader as it is read by system access control readers.
- Reverse ID bytes order. If this option is enabled, the reader will send the ID to the workstation in reversed bytes

order.

KEYPAD CONFIGURATION

- This segment defines the keypad emulation of the reader.
- Use Numeric keypad for numbers. When typing the ID into the field, the reader will use number keys above the alphabetical keys. In cases where the workstation keypad is set to languages where numbers are not typed by direct keystroke, select this option so the reader will use numeric keypad codes.
- Type Card number as. Option to type the ID in decimal or hexadecimal format.
- Type ID with. Defines the number of characters used to type the ID. If a fixed value is selected, the leading part of the ID will be cut, or zeroes will be added in front of the ID to achieve the required number of characters.
- Type key after card number. After the reader types the ID, it may send an additional keystroke. As an example, if you scan the credentials into an Excel table, select “ENTER”, so after the credential is typed in the Excel cell, the reader will send the ENTER keystroke to move the focus to the next cell below.

CUSTOM MIFARE DESFIRE ENCRYPTION CONFIGURATION

This segment is needed if the Card type is ISO14443-A (Mifare) and DESFire encryption is set to Custom encryption.

TESTING

After the reader is configured, set the keyboard focus to the bottom text field by clicking on the field, and present the card to the reader. If the card matches the reader configuration, the ID number will be typed in the text field.

This product herewith complies with requirements of EMC directive 2014/30/EU, Radio Equipment Directive 2014/53/EU. In addition it complies with RoHS2 directive EN50581:2012 and RoHS3 Directive 2015/863/EU.

www.xprgroup.com

Documents / Resources

	XPR Group PROX-USB-X RFID Desktop Reader [pdf] User Manual PROX-USB-X RFID Desktop Reader, PROX-USB-X, RFID Desktop Reader, Desktop Reader, Reader

References

- XPR Group - Safe access systems provider
- User Manual