xpr Readers



Xpro

Universal And Adaptable

- Available as a Plug and Play solution for nearly all access controllers on the market (OSDP, RS-485, SSCP and Wiegand)
- Future proof to add further technologies
- All-in-one multi-technologies
- Migration from an unsecured site to a secured site
- Encryption capabilities to enhance security
- Durable polycarbonate copolymer (UL94) housing for enhanced resistance.
- Guarantees the highest level of protection:
  - Complient with IEC/EN 60839 – Grade 4
  - Alignment with the NIS2 Directive
- Mobile ID: Bluetooth and NFC ready for alternative distribution of access credentials via virtual cards on smartphone
- Mifare DESFire EV3 Xsecure® credentials for high-security identification
- IK10 (keypad) and IK11 (readers) certification
- Supported RFID technologies on selected models: 125 kHz (EM/HID Prox) and 13.56Mhz (MIfare Classic and Mifare Desfire EV1, EV2 and EV3)



XP-K
RFID KEYPAD

With its **sleek and compact design**, the XP-K keypad combines elegance and robustness in a modern form.



Blue illuminated and recessed capacitive keys

Its **blue backlit keys** provide perfect visibility, while the three-colour LED positioned above the keypad offers clear status indication.

The sturdy polycarbonate housing ensures a refined, professional look that is suitable for any environment.

Mifare	Up to 9 cm		0% → 95%	IK	10		Complient with IEC/EN 60839 - Grade 4
C°	-30°C /+65°C		9-15 V DC	IP	65		Terminals
							Mobile ID



The Multi-technology Keypad



xpr Readers



XP
RFID READER





XPM
MULLION RFID READER

Up to 9 cm	IK 11
-30ºC /+65ºC	IP 65
0% → 95%	Complient with IEC/EN 60839 - Grade 4
9-15 V DC	terminals
Mobile ID	

Available in **universal single gang or mullion formats**, the Xpro RFID readers combine performance with an elegant design.

Offering advanced security and exceptional value, they are the ideal choice for reliable access control.

Featuring **a sleek, three-colour LED** for clear status indication, the Xpro readers add a touch of sophistication to any installation.





XP-QR

QR CODE AND RFID READER

Mifare EH up to 9 cm

This ultra-fast QR and RFID reader boasts an **elegant, compact and robust design, delivering flawless performance** in both bright and low light conditions.

It discreetly blends security and style. Its **fast, intuitive scanning ensures effortless use**, while its refined look blends perfectly with the entire Xpro range.

Available with an RFID only or with RFID and backlit keypad for enhanced versatility as a triple technology access control reader.

Focal distance
19,5 cm

Field of view
42° x 28°



- -20°C /+50°C
- 0% → 95%
- 9-15 V DC
- IP 65
- Complient with IEC/EN 60839 - Grade 4
- terminals
- Mobile ID



XP-K-QR

QR CODE AND RFID KEYPAD

Mifare up to 9 cm

One reader. Many ways to access.



QR code



RFID

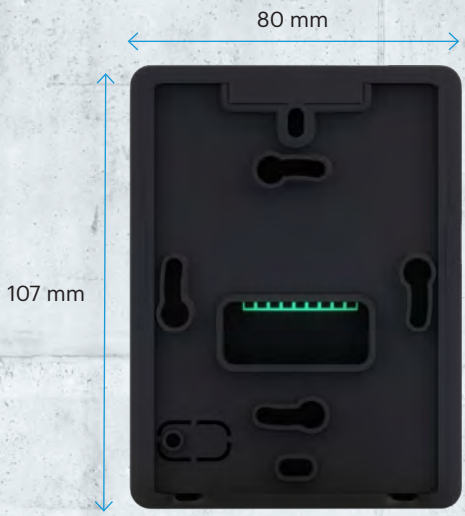


Mobile ID



PIN code

VERSATILE MOUNTING OPTIONS



Universal Single Gang Mounting

It is compatible with UK, EMEA and USA standards, for easy and reliable installation. It mounts easily on most worldwide electrical gang boxes.

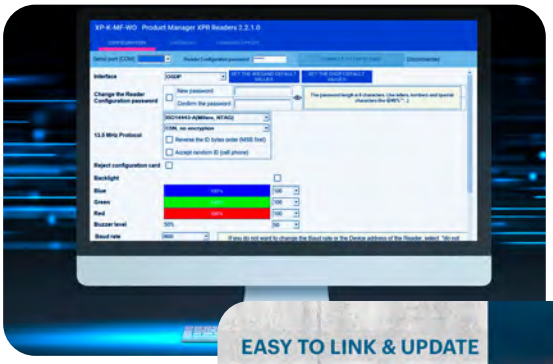


Mullion Mounting

Designed for seamless integration into most door frames, our readers fit perfectly into any environment — industrial, commercial or residential — enhancing security without compromising on aesthetics.

Our software





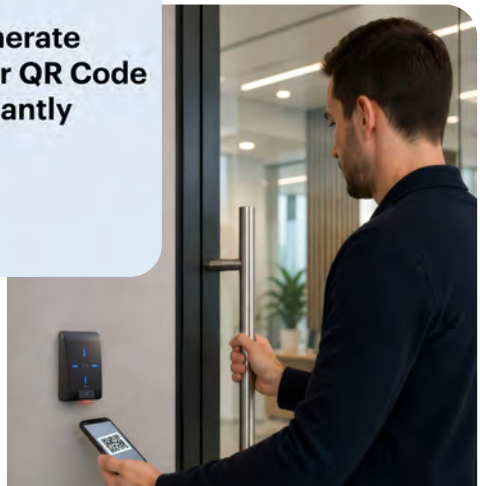


PRODUCT MANAGER

READER CONFIGURATION SOFTWARE

Configuration, security and updates — all in one click. A simple, intuitive interface to set protocols (OSDP, Wiegand), generate encrypted and custom cards, update firmware and back up your configurations — no technical skills required.
Compatibility: Windows 10 and later
Available languages: EN, FR, SP, GE, IT, NL and PT





QR Code Generator

SECURE QR CODE GENERATION SOFTWARE

Generate professional QR codes in seconds. Standard or XPR encrypted codes, with instant export as an image or to your clipboard: a simple solution to secure your labels, documents and traceability systems.

Compatibility: Windows 10 and later
Available language: EN

To complete the range

XPM-PB & XP-PB

CAPACITIVE REX DEVICES





- -30ºC /+65ºC
- 0% → 95%
- 9-15 V DC
- IK 11
- IP 65
- Complient with IEC/EN 60839 - Grade 4
- Terminals

These **elegant and resilient** surface-mount outdoor capacitive push buttons are available in the same universal **single gang or mullion** format as the readers.

Combining modern design with practicality, they are the perfect finishing touch for any installation featuring Xpro readers.

PROX-USB-X

UNIVERSAL DESKTOP ENCODER



A UNIVERSAL multi-technology desktop reader compatible with numerous formats (Mifare DESFire/Classic, HID PROX CSN, Xsecure, HID iClass CSN, EM4100, ISO 15693 and NFC).

Reads and writes data on MIFARE DESFire cards.

It is easy to use as ***a keyboard emulator*** under Windows, Mac and Linux, integrating with multiple systems via a virtual serial port and can ***be configured remotely without on-site intervention.***

Simple, quick configuration with our free **PROX-USB-X Configurator** software.

XPR-SK

PROFESSIONAL STARTER KIT

The XPR starter kit includes all the accessories needed to test, demonstrate and configure the XPR Readers ahead of installation.



It includes:

- 1 x (PROX-USB-X)
- 5 x Mobile ID tokens (PBX-VC-XPR)
- 1 x Fob(PBXB-1F-2K-XSECURE)
- 1 x Card(PBX-2-2K-XSECURE)
- 4 x Mifare Cards(PBX-2-EV3-2K)
- 1 x Xsecure programming card
- 1 x CSN programming card
- 1 x XPM-EHMF reader for test
- 1 x Multi-connector USB cable (A/C)

MOBILE ID SOLUTION

xpr Readers

WHAT IS THE MOBILE ID SOLUTION?

This solution turns each user's smartphone into a smart, secure virtual card that stays fully under your control.

100% on-premise solution: no need for an external cloud infrastructure. Deployment is fast and setup is simple.

Credentials are stored encrypted, and users get instant access to controlled doors via **Bluetooth Low Energy (BLE) and/or Near Field Communication (NFC).**

THE 3 COMPONENTS OF THE XPR'S MOBILE ID SOLUTION







XPR Virtual Card

Mobile app for users

- Turns the phone into a secure digital virtual card
- BLE and/or NFC interface with the readers
- Instant access to controlled doors
- Available on iOS and Android

XPR VC Manager

Software for administrators

- Issue and assign virtual cards
- Track user requests
- Manage credits
- Windows application, installed locally

PBX-VC-XPR

License - Credit activation

- Enables Professional Access mode
- One credit = one unique credential controlled by the administrator
- Credits managed from XPR VC Manager
- Packs of 10, 50 or 100 credits

WHY OFFER XPR'S MOBILE ID

Full control of the system, the data and the deployment.

Zero cloud dependency

Works without a permanent internet connection. Management stays local, on the customer's premises.

Fast deployment

Simple setup: a site can be up and running in minutes.

Full control

The customer keeps full control of their system, their data and their deployment.

Built for demanding environments

The architecture suits sensitive, industrial and government environments.

Two modes, to fit your installation's needs

The XPR Virtual Card app adapts to your needs with two operating modes: **Basic Access** and **Professional Access**.





Free

Basic Access

- A credential is generated automatically at installation
- No admin setup required
- Compatible with Xpro (BLE) and Xsmart/ Xpro (NFC) readers
- Ideal for sites that need a standard level of security

Comparison table: Basic Access vs. Professional Access

Features	Basic Access	Professional Access
Free, no license required	✓	✗
Automatic credential generation when the app is installed	✓	✗
Configured by a Security Manager	✗	✓
Mandatory site code	✗	✓
One credential = one device (anti-sharing, anti-cloning)	✓	✓
Modes: Card, remote, hands-free and Tap-tap	✓	✓
Compatible with Xpro (BLE) and Xsmart / Xpro (NFC) readers	✓	✓
Ideal for standard-security sites	✓	✗
Suited to businesses, secure sites, critical infrastructure	✗	✓
ID number (Card ID)	Random	Assigned by Security Manager
ID number size	32 bits	64 bits
Must use PROX-USB-X desktop reader	✗	✓
Must use XPR VC Manager software or SDK integration	✗	✓
Virtual card validity	All sites	Only on owner site
Virtual card lifespan	Until app is removed (reinstalling creates a different ID)	Until phone is reset to factory default settings
Quantity of virtual cards per phone	1	Unlimited
Customizable VC background image	✗	✓



High security

Professional Access

- Credentials created and controlled by an administrator
- Site code required, via the XPR VC Manager software
- One credential = one device (anti-sharing, anti-cloning)
- For companies, secure sites and critical infrastructure
- Compatible with Xpro (BLE) and Xsmart/Xpro (NFC) readers

Your mobile credential, validated and secured at every step.



1

XPR

Generates activation credits (PBX-VC-XPR)

- Unique units (serial numbers)
- Packs of 10, 50 or 100



2

Reseller

Distributes the credits

- Secure receipt
- Redistribution to administrators



3

Administrator

Activates the credits and creates the card

- Via the XPR VC Manager software + PROX-USB-X reader
- Virtual card created at the user's request



4

User

Receives and activates the card

- Requests it from the app
- Instant import and activation

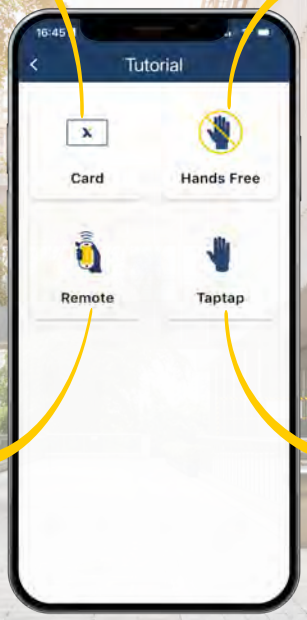
App access modes

Card:
Hold your phone close to the reader.



Hands-free:
Your phone detects the reader automatically — No interaction required.





Remote:
Trigger access directly from your app screen, from a distance.



Tap-Tap:
Double-tap the back of your phone to trigger access — no need to unlock your screen.





Xsecure®

WHAT IS XSECURE?

Xsecure is XPR's encryption solution using AES-encrypted data instead of the Card Serial Number (CSN) and secure keys known only to the reader.

WHY IS CREDENTIAL SECURITY IMPORTANT?

Cloning RFID cards or simulating CSNs poses risks to access control systems, highlighting the need for security upgrades to protect user credentials.

WHY XSECURE?

The Xsecure concept uses Mifare DESFIre EV3 tokens with non-reversible access keys. Data is encrypted with error checking to prevent spoofing, and tokens are issued by a single company to avoid duplicates.





HOW DOES IT WORK?

xpr Readers

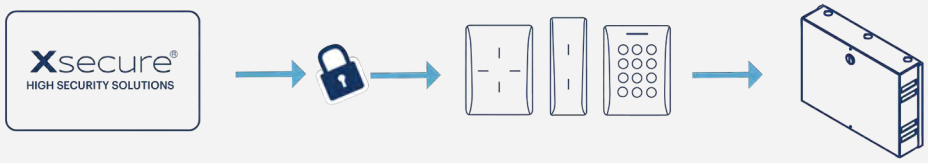
1

XPR produces cards with unique IDs that are secured by different keys.



2

Configuring a secure card reader to read only **Xsecure®** cards by the installer or end user.

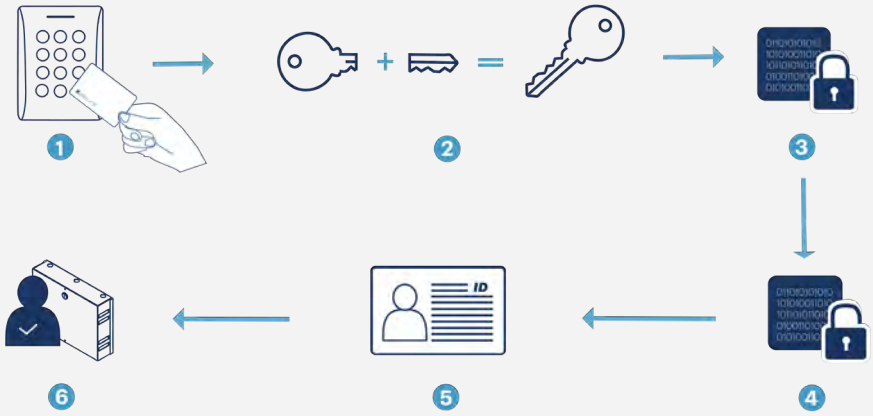


Secure Communication
AES & Key Diversification

Communication Protocols
Wiegand, RS-485, OSDP & SSCP

3

When the reader detects a card **(1)**, it assembles the card access key (unique for each card) **(2)**, reads the card content **(3)**, decrypts the card content **(4)**, extracts the ID **(5)**, and sends it to the controller **(6)**.





The journey continues on our website:

www.xpr-readers.com

