# xpr Readers

# Premium Access Control Readers



XPro

# 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)

OSDP™ NXP MIFARE SSCP






### XP
**RFID READER**




### XPM
**MULLION RFID READER**




### 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**




**Solid as a rock**

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.

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

- Up to 9 cm
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- 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.

## The Multi-technology Keypad







## *Slimline* LED
**Elegance and discretion**



## 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°**



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

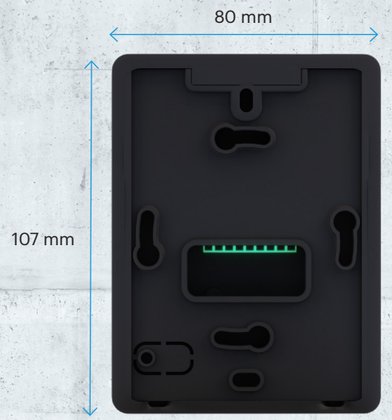


## XP-K-QR

### QR CODE AND RFID KEYPAD

Mifare — up to 9 cm

## 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.

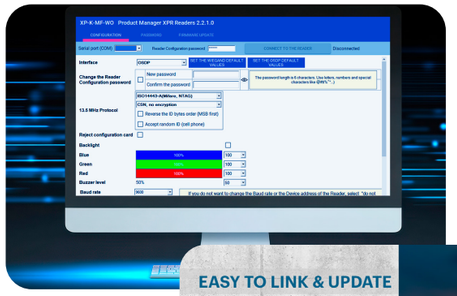



### Mullion Mounting

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

## One reader. Many ways to access.



QR code



RFID



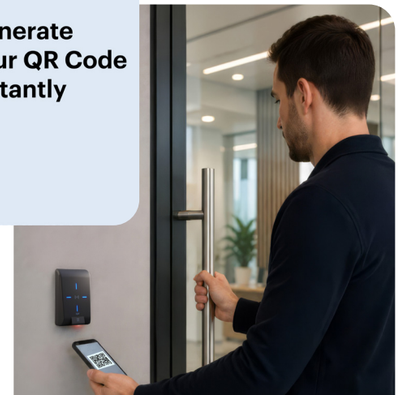
Mobile ID



PIN code




**Generate Your QR Code Instantly**



## 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**.



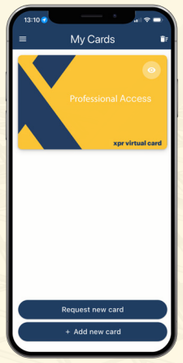




**Free**

## 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




**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

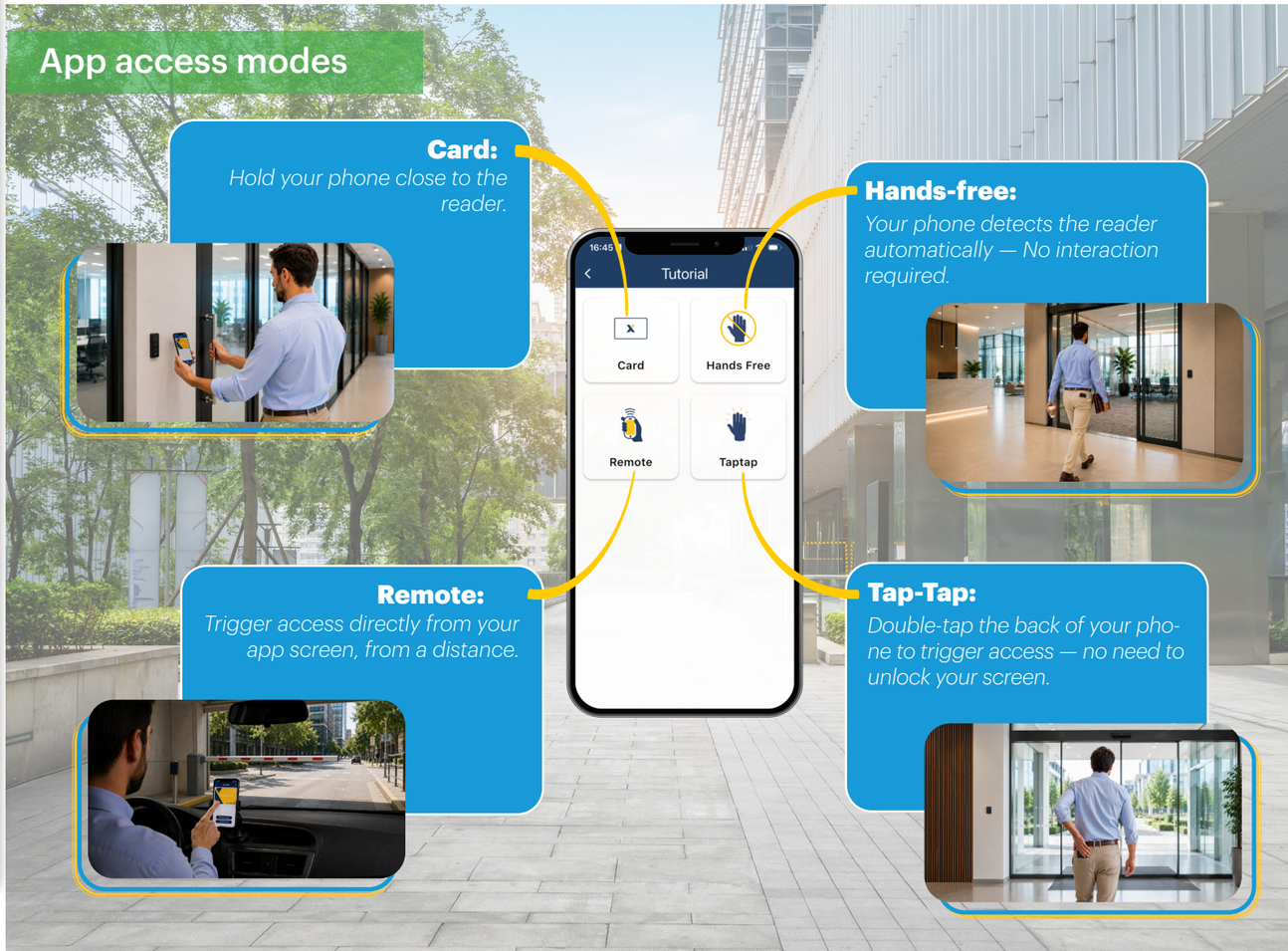
### User

**Receives and activates the card**

- Requests it from the app
- Instant import and activation

## 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 | ✗ | ✓ |






# 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.



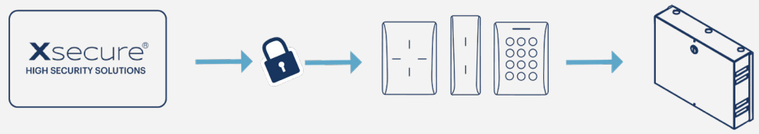

## HOW DOES IT WORK?

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



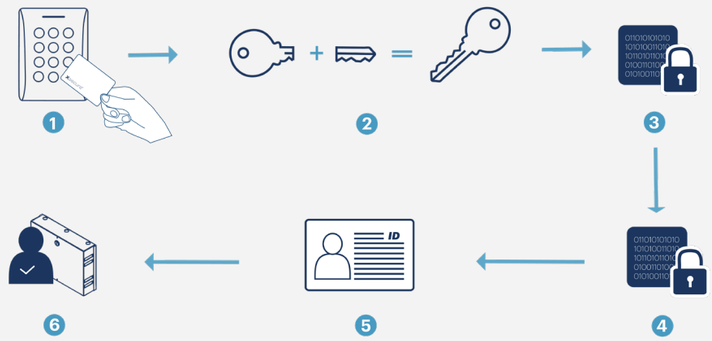

**2** Configuring a secure card reader to read only **Xsecure®** cards by the installer or end user.




**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*

