xprReaders

▲ XPRO
XPM - Mullion Multi-Technology Mifare Readers

Mullion multi-technology Mifare readers compatible with nearly all access controllers on the market.

They can read 13.56 MHz credentials and communicate with Wiegand, OSDP and RS-485 protocols.

Identifiers, communication protocol and firmware updates can be done using our Product Manager software via the USB-C input on the back of the reader or with a programming card (requires PROX-USB-X).

This option offers full flexibility and scalable functionality. Fobs/Cards and reader encryption is possible thanks to the MIFARE® DESFire® technology.

FEATURES

- Mounting: Surface mount
- Housing: Polycarbonate copolymer (UL94)
- Internal buzzer with adjustable intensity using software
- Communication: Wiegand, RS-485, OSDP
- Reading range: Up to 9 cm, depending on the tag type and size
- Operating frequency: 13.56 MHz
- Tamper protection: Yes
- Wiring: Terminal block
- Operating voltage: 9 - 15 V DC
- Max. consumption at 12 V DC: 100 mA
- Supported Credentials: Xsecure®, Mifare CSN (Classic, DESfire, Plus, Ultra-light), NTAG CSN, ISO 15693.
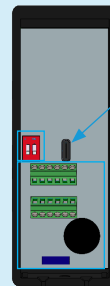- Models: XPM-MF-WO, XPM-MF-WO-X, XPM-MFBT-WO, XPM-MFBT-WO-X (features per model, see Table 1.)

ENVIRONMENTAL FEATURES
- Environmental rating: Indoor/ Outdoor IP65 (resin potted)
- Operating temperature: -35°C to +70°C
- Operating humidity: 0% to 95% RH (non-condensing)
- Impact protection rating: **IK 11**

DIMENSIONS

113 mm
42 mm
27 mm

Housing

⌀4mm
⌀0.15in
⌀12mm
⌀0.47in
⌀105mm
⌀4.13in
28mm
1.10in
⌀4mm
⌀0.15in
⌀8mm
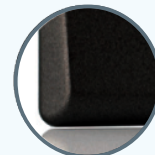⌀0.31in
⌀34.50mm

Back plate

CONNECTIVITY

USB-C: For configuration and firmware update

Wire terminals
- Power
- RS-485
- Wiegand D0, D1
- LED, Buzzer control
- Tamper

COLOUR

Black

SOFTWARE

Product Manager

The **Product Manager** is user-friendly software for configuring *XPR readers* Multi-Technology readers.

You can select the type(s) of identifier(s), the mode of communication as well as firmware update if necessary.

You can also adjust or remove settings such as the intensity of the LEDs, the sound level of the buzzer and customize the RS-485 communication. The software is available in 7 languages and is compatible with Windows operating systems.
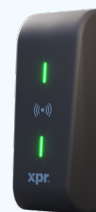
CE UKCA

OSDP   MIFARE   NXP

www.xpr-readers.com

VARIANTS

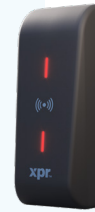| References	Functions and credentials			Firmware Upgrades / Programming	
	13.56 MHz CSN (ISO 14443-A (MIFARE®), ISO 15693, HID® iClass, NFC®)	Custom Encryption DESFire® EV1, EV2 & EV3	Mobile ID	USB-C	Default Credential
XPM-MF-WO	V	V	X	V	Mifare CSN
XPM-MF-WO-X	V	V	X	V	**X**secure®
XPM-MFBT-WO	V	V	V	V	Mifare CSN
XPM-MFBT-WO-X	V	V	V	V	**X**secure®

LEDs

LEDs managed by the host controller.

Blue **LED**

Green **LED**

Red **LED**

ACCESSORIES

PROX-USB-X

RFID desktop configurable R/W reader with keyboard emulation (Windows, MAC, Linux) for easy enrolment. Compatible credentials: MIFARE® (Classic, Ultralight, DESFire®), EM 4100, HID 125 kHz, ISO 15693, iClass CSN, Xsecure® and NFC.

Mifare Fobs & Cards

Different contactless fobs and cards:
- Mifare available with 1 KB and 4 KB memory.
- Mifare DESfire available with 2K and 8K memory.
- Xsecure Mifare DESfire EV3 available with 2K memory.

Available in different types of support: ISO cards and ABS key fobs.

Xsecure®

The **X**secure solution is based on the concept of writing the identifier as **data on pre-coded MIFARE® DESFire® EV3 13.56 MHz cards**.

Xsecure enables each card access key to be **distinct and unique**, produced through **an irreversible diversification process**. As a result, the data on **the card is encrypted and sealed** again, with an error checking against spoofing.

Only the reader and the production card encoding system are aware of this operation.

XPR encodes the cards and validates the identifiers issued **to avoid duplication.**