

XP-K-QR - RFID and QR code Keypads

Multi-technology Mifare keypads compatible with nearly all access controllers on the market.

They can read 13.56 MHz cards and fobs, 2.4 GHz (Mobile), QR code credentials and communicate with Wiegand, OSDP, SSCP 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.



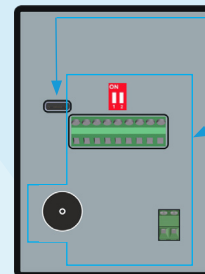
FEATURES

- Mounting: Surface mount
- Housing: Polycarbonate copolymer (UL94)
- Internal buzzer with adjustable intensity using software
- Communication: Wiegand, RS-485, OSDP and SSCP
- Keys: Blue illuminated and recessed capacitive sensor keys
- Card reading range: Up to 9 cm, depending on the tag type and size
- QR code decoding range 5 to 49 cm depends on barcode technology and size
- QR code reading surface paper and smartphone
 - QR code illumination field and aiming spot
 - Field of view 42° x 28°
 - Focal distance 19.5 cm
- RFID operating frequency: 13.56 MHz
- Tamper protection: Yes
- Wiring: Terminal block
- Operating voltage: 9 - 15 V DC
- Max. consumption at 12 V DC: 300 mA
- Supported Credentials: Xsecure, ISO 14443-A (Mifare), ISO 14443-B CSN, ISO 15693 CSN, HID iClass CSN, LEGIC CSN and NFC

ENVIRONMENTAL FEATURES

- Environmental rating: Indoor/ Outdoor IP65 (resin potted)
- Operating temperature: -20°C to +50°C
- Operating humidity: 0% to 95% RH (non-condensing)
- For outdoor use, the XP-ATP protection is mandatory when it is in direct contact with rain.

CONNECTIVITY



USB-C: For configuration and firmware update

Wire terminals

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

DIMENSIONS AND COLOUR



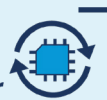
Housing

Back plate

Back plate compatible with UK, EMEA and US standard and most electrical gang mountings

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.



LEDs

LEDs managed by the host controller.



Blue LED



Green LED



Red LED

ACCESSORIES



PROX-USB-X

RFID USB desktop device.
RFID configurable R/W reader with keyboard emulation (Windows, MAC, Linux).
It reads Mifare classic, Mifare DESfire, NFC, ISO 15693 and Xsecure® cards.



XP-SPACER

Surface mount spacer.
With knock-outs on each side and fitting perfectly to the housing backplate, it is the ideal accessories to wire the reader easily if there is not a lot of room for connecting the reader during the installation.



XP-ATP

This ABS cover is not compulsory for external use but recommended if you wish to protect the reader further against harsher weather conditions, UVA and dust. It offers also a significant level of vandal resistance if needed.



Mifare Fobs & Cards

Different contactless fobs and cards:

- Mifare available with 1 KB and 4 KB memory.
- Mifare DESfire EV3 available with 2 K memory.
- Xsecure® Mifare DESfire EV3 available with 2 K memory.

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

Xsecure®

The Xsecure 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**.