

# XPM-MF-RS

XPRO RANGE - MULLION 13.56 MHz RFID READER - RS-485

## XPRO

The mullion RFID reader is compatible with our WS4 Web server controller.

It can read 13.56 MHz credentials and communicate with our custom RS-485 protocol.

The configuration and the firmware update can be done using our Product Manager software via the USB-C input on the back of the reader or with a programming card.

The XPM products are coming with the Xsecure® key, but only products ending in -X are coming with the Xsecure® configuration by default to ensure data protection.



### FEATURES

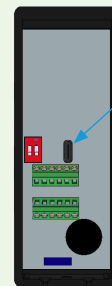
- Mounting: Surface
- Housing: Polycarbonate copolymer (UL94)
- Internal buzzer: With adjustable intensity using software
- Communication: RS-485
- Reading range: Up to 9 cm, depending on the tag type and size
- Operating frequency: 13.56 MHz
- Tamper protection: Yes
- Wiring: Terminal block
- Operating voltage: 9 - 15 V DC
- Max. consumption at 12 V DC: 100 mA
- Supported Credentials: Xsecure®, Mifare CSN (Classic, DESfire, Plus, Ultralight), Mifare DESfire (EV1, EV2, EV3)

**NOTE:** The XP-K must be fitted with XP-ATP cover if it is installed outside directly exposed to rain.

### ENVIRONMENTAL FEATURES

- Environmental rating: Indoor/ Outdoor IP65 (resin potted)
- Operating temperature: -30°C to +70°C
- Operating humidity: 0% to 95% RH (non-condensing)
- IP rating: IK11

### CONNECTIVITY



**USB-C:** For configuration and firmware update

**Wire terminals**  
 - Power  
 - RS-485

### DIMENSIONS & WEIGHT

### LED



Green LED  
Access granted



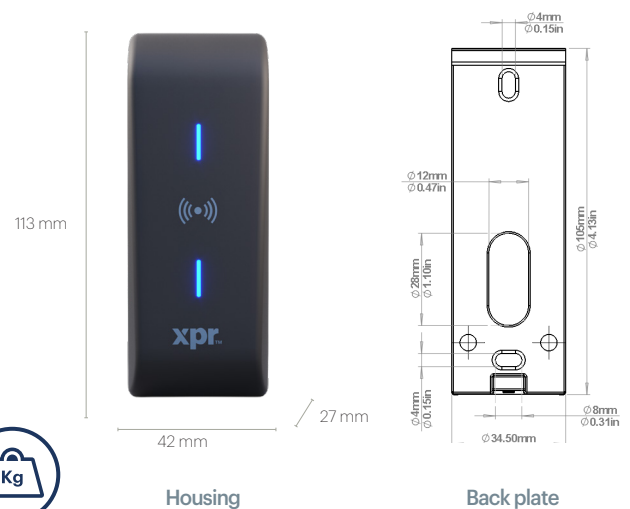
Blue LED  
Idle mode



Red LED  
Access denied



~100 g



Web server interface

Web page  
www.xpr-solutions.com



The WS4 is a simple and powerful access control system with its own built-in web server. There is no software to install; configuration is done simply via an internet browser.

Very easy to install and use as all pages are responsive. It offers easy visualization of the status of the system and quick access to different menus directly from the home window.

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 Mifare Classic	Mobile ID	USB-C	Default Credential
XPM-MF-RS	✓	✓	✗	✓	Mifare CSN
XPM-MF-RS-X	✓	✓	✗	✓	Xsecure®

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.



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 and fobs.**

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.**