

Overview

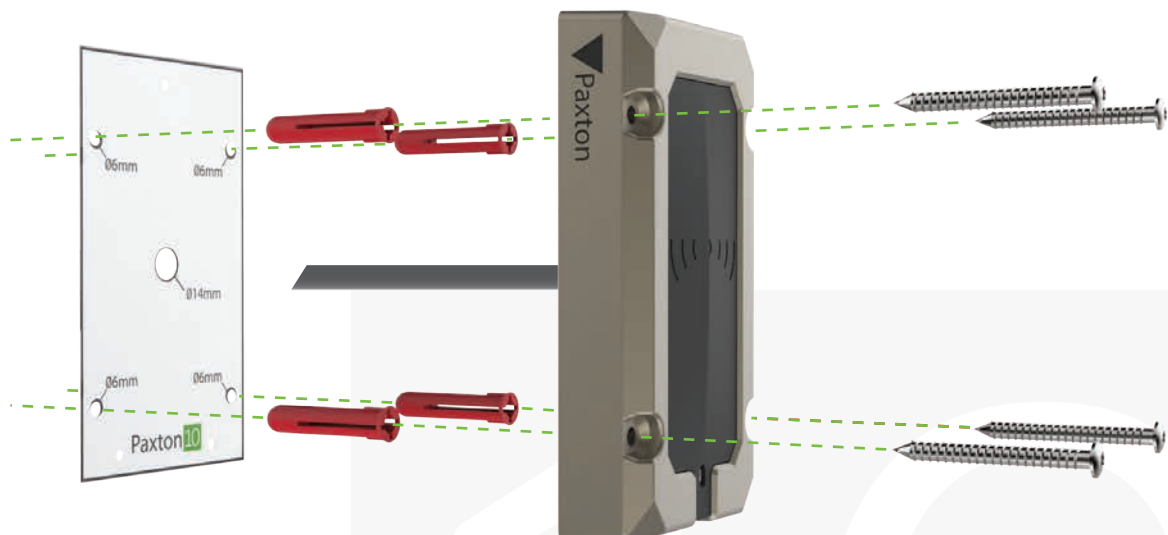
The Vandal Resistant Reader brings support for a vast amount of functionality encased in a tough IK10 rated construction.

Designed with vandal resistance in mind, the VR Reader includes support for all leading token technology including HID Prox®, MIFARE®, Paxton and EM as well as offering Bluetooth® for communication with long range or hands-free credentials and smartphones via the Paxton app.



Features

- IK10 Rated
- IP67 Rated
- Multi-format reading technology offering compatibility with Paxton, MIFARE, HID Prox®, EM and more
- Built in Bluetooth® Low Energy support to allow communication to mobile and wearable devices
- Simple 4 wire installation
- Brings Paxton simplicity to the plethora of token types currently on the market by supporting all of them concurrently
- Low power sleep mode with capacitive wake-up





Token compatibility

Paxton		
Frequency		125kHz
Data read		Serial number (CSN) & User memory
Cloning resistance		Medium
EM4100/02		
Frequency		125kHz
Data read		Serial number (CSN)
Cloning resistance		Low
MIFARE®		
Frequency		13.56MHz
Data read		UID
Cloning resistance		Low



Electrical

Power consumption	1W	(Max)
Operating voltage	12V	
Current Draw	40mA	(Quiescent)
	100mA	(Max)



Communication

RFID Frequency	125kHz & 13.56MHz	
Encryption	RS485/Paxton10 Protocol	
Bluetooth®	2.4GHz	
Token Mode	Up to 2cm	
Touch to Enter	Up to 1.5m	
Long Range	Up to 10m	



Hardware

Dimensions (W x H x D)	57.6mm x 106mm x 19.5mm	
Cable Type	22AWG, 4 core twisted pair	
Cable Length	5m / 16ft	
Maximum cable extension (Controller – Reader)	100m / 328ft	
Sound	Piezo Buzzer	
Colour	Black	
Housing material	ASTM B86	
Warranty	Paxton 5 year	



Environment

Operating temperature	-35°C - +66°C
IP Rating	IP67
IK Rating	IK10
Mounting	Surface only, suitable for mounting on metal



Accessories and Sales codes

010-254	Paxton10 - VR reader
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