ALLEGION

SCHLAGE

Mobile enabled multi-technology readers



Overview

The Schlage® mobile enabled multi-technology readers are designed to simplify your access control solutions and eases the transition from an existing proximity system to a secure encrypted card technology or mobile solution at your own pace—without having to change readers. Three available models fit any need and operate with multiple credential form factors including wristbands, cards, fobs and tags.

MTB11: Mullion mount mobile enabled multi-technology reader
MTB15: Single gang mount mobile enabled multi-technology reader
MTKB15: Single gang mount mobile enabled multi-technology with keypad reader

Schlage mobile enabled multi-technology readers are designed to provide flexible options for making the move to secure mobile credentials at your own pace. Our contactless readers provide both a modern look and an advanced feature set. Designed with technology to support Bluetooth, NFC (Near Field Communication), smart credentials (13.56 MHz) and standard proximity credentials (125 kHz) end users have the ability to define their migration path to secure credentials.

Features and benefits

Each Schlage mobile enabled, multi-technology reader contains 125 kHz proximity, 13.56 MHz smart and 2.4 GHz Bluetooth circuitry enabling the ability to process multiple formats simultaneously. Wiegand, Clock & Data, and RS-485 outputs come standard for simple interface with most access control panels.

- Compatible with Bluetooth and NFC-open smart phones
- Clock & Data, Wiegand and RS-485 outputs standard
- Plug & Play mode for straight out of the box functionality
- Commission via ENGAGE™ mobile app for reader updates and easy configuration.
- Improved voltage range of 5V to 28V for simplified power management
- Accommodates interior, exterior, metal and non-metal installation environments
- Improved quick-connect cable allows for easy installation
- Easy-to-install mounting bracket
- Available finishes include: Black (standard) and cream

CYBERSECURITY
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Model	MTB11	MTB15	MTKB15
Reader type	Mobile enabled multi-technology	Mobile enabled multi-technology	Mobile enabled multi-technology with keypad
Mounting style	Mullion	Single gang	Single gang
Standards	ISO 14443A, ISO 15693		
Certifications	FCC Certification - IC Certification - UL 294/cUL Listed - RED Directive - CE Mark - IP65 - REACH - Bluetooth SIG - RoHS 3		
Frequency	2.4 GHz, 13.56 MHz and 125 kHz		
FIPS 201 compliant	No		
Technology supported			
CSN[1]	✓	✓	✓
Proximity[2]	✓	✓	✓
Smart[3]	✓	✓	✓
Mobile (NFC)[4]	✓	✓	✓
Mobile (Bluetooth)[4]	✓	✓	✓
Read range (Based on ISO Card form factor)			
Prox FSK	Up to 2.25" (5.7 cm)	Up to 4.5" (11.4 cm)	Up to 4.5" (11.4 cm)
Prox ASK	Up to 2.0" (5.1 cm)	Up to 3.75" (9.5 cm)	Up to 3.75" (9.5 cm)
MIFARE Classic® EV1	Up to 2" (5.1 cm)	Up to 2.25" (5.7 cm)	Up to 2.25" (5.7 cm)
MIFARE Plus®	Up to 1" (2.5 cm)	Up to 1.5" (3.8 cm)	Up to 1.5" (3.8 cm)
MIFARE® DESFire® EV1	Up to 1.25" (3.2 cm)	Up to 1.75" (4.4 cm)	Up to 1.75" (4.4 cm)
MIFARE® DESFire® EV2	Up to 2" (5.1 cm)	Up to 2.25" (5.7 cm)	Up to 2.25" (5.7 cm)
Schlage Mobile Credential (Bluetooth) (short range-standard)	Up to 5' (1.5 m)	Up to 5' (1.5 m)	Up to 5' (1.5 m)
Schlage Mobile Credential (Bluetooth) (long range-optional)	Up to 30' (9.1 m)	Up to 30' (9.1 m)	Up to 30' (9.1 m)
System interface	Wiegand / Clock & Data / RS-485 (OSDP, OSDP Secure)		
Voltage range	5-28 VDC		
Current requirements	80mA Average (190mA Peak) @12V 45mA Average (100mA Peak) @24V	80mA Average (190mA Peak) @12V 45mA Average (100mA Peak) @24V	80mA Average (200mA Peak) @12V 45mA Average (105mA Peak) @24V
Pigtail specification	22 AWG, 12 conductor, 12" length		
Tamper	Yes		
Physical dimensions	5.91" x 1.72" x 0.81" 15 cm x 4.4 cm x 2.1 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm
Operating temperatures	-40° to 158° F (-40° to 70° C)		
Weight	3.8 oz	6.0 oz	6.1 oz

Color options

- Black (standard)
- Cream

1 DESFire® CSN,HID iCLASS® CSN, Inside Contactless PicoTag® CSN, ST Microelectronics® CSN, Texas Instruments Tag-It® CSN, Phillips I-Code® CSN

2 Schlage® Proximity, HID® Proximity, GE/CASI® Proximity, AWID® Proximity, LenelProx®

3 Schlage smart cards using MIFARE Classic® EV1, Schlage smart cards using MIFARE Plus®, Schlage smart cards using MIFARE® DESFire® EV1, Schlage smart cards using MIFARE® DESFire® EV2

4 Compatible with Bluetooth and NFC-enabled smartphones

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit **www.allegion.com.**

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