



# Multi-Technology Readers



## Overview

Schlage® multi-technology readers are designed to simplify your access control solutions and allow a transition from existing population proximity or magnetic stripe to more secure encrypted card technology at your own pace—without having to change readers as new technologies are available. Five available models to fit any need and works with multiple form factors including wristbands, cards, fobs and tags.

- **MT11:** Mullion mount multi-technology reader
- **MT15:** Single gang mount multi-technology reader
- **MTK15:** Single gang mount multi-technology reader with keypad reader
- **MTMS15:** Single gang mount multi-technology reader with magnetic stripe reader
- **MTMSK15:** Single gang mount multi-technology reader with magnetic stripe reader and keypad

## Encryption Key & Credential Interoperability

- Hardware configured with our default encryption key or custom key developed by Schlage Custom Encryption Key Service (SCEKS) including NXP, HID® and NFC
- Schlage MIFARE® DESFire® and MIFARE Classic® credentials
- NFC mobile credentials in Apple Wallet® and Google Wallet™
- Other manufacturer credentials including:
  - HID iCLASS®, iCLASS SE® and SEOS® plastic and NFC mobile credentials
  - LenelS2™ BlueDiamond™ MIFARE® DESFire® EV3 and NFC mobile credentials
  - TRANSACT, Brivo, Kastle and more
- See the [Credential Compatibility Guide](#) for full details

## Schlage Credential Services

- CardTrax™ credential format sequencing service offering industry standard formats
- Custom format development

## Color Options



Note: Lead time may apply for non-standard colors.

## Features & Benefits

Multi-technology platform offers support for both high-frequency (13.56 MHz) smart and low-frequency (125 kHz) proximity credentials.

- Supports NFC wallet-based credentials
- Wiegand and RS-485 support
- Limited lifetime warranty
- Accommodates interior, exterior, metal and non-metal installation environments
- Quick-connect cable allows for easy installation
- Easy-to-install mounting bracket
- Available finishes include: black (standard), cool-tone gray, cream and warm-tone brown



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Credential Services



Model <sup>1</sup>	MT11		MT15	MTK15	MTMS15	MTMSK15
Reader type	Mullion		Single gang	Keypad single gang	Magnetic stripe	Magnetic stripe and keypad
Frequency	13.56 MHz and 125 kHz					13.56 MHz and 125 kHz and magnetic stripe
FIPS 201-1 & 201-2 compliant	Yes, requires RS-485 interface—See Schlage FIPS 201 Compliant Readers Datasheet for details					
Standard default PIV output	75 bit PIV <sup>2</sup>					
Standards	SO 14443A, 14443B, 15693					
Certifications	FCC Certification • IC Certification • UL 294 Listed • RED Directive (15 EU Countries) • CE Mark • IP65					
Voltage range	5-16 VDC					
Power supply	Linear DC					
Current requirement (at 12 VDC and 25 C; mAmps)	MT11 Avg. 100 mA Peak 170 mA	MT11-485 Avg. 115 mA Peak 145 mA	MT15 & MT15-485 Avg. 120 mA Peak 200 mA	MTK15 & MTK15-485 Avg. 120 mA Peak 230 mA	MTMS15 & MTMS15-485 Avg. 120mA Peak 200mA	MTMSK15 & MTMSK15-485 Avg. 120mA Peak 230mA
<b>Technology supported<sup>3</sup></b>						
CSN <sup>4</sup>	•	•	•	•	•	•
Proximity <sup>5</sup>	•	•	•	•	•	•
Smart <sup>6</sup>	•	•	•	•	•	•
Mobile (NFC) <sup>7</sup>	•	•	•	•	•	•
Read range	Proximity: Up to 5" (12.7 cm) MIFARE Classic: Up to 4" (10 cm) MIFARE Plus: Up to 1" (2.5 cm) MIFARE DESFire EV1 / EV3: Up to 2" (5.1 cm) PIV credential: Up to 2.5" (6.5 cm)					
Cable specification	18 AWG, 5 conductor stranded/shielded					
System interfaces	Wiegand / Clock & Data / RS-485 <sup>8</sup> (OSDP)					
Cabling distance	Wiegand output: 500 ft (152 m)					
Physical dimensions (H x W x D)	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	5.17" x 4.43" x 1.15" 13.13 cm x 11.25 cm x 2.92 cm	5.17" x 4.43" x 1.15" 13.13 cm x 11.25 cm x 2.92 cm	5.17" x 4.43" x 1.15" 13.13 cm x 11.25 cm x 2.92 cm
Operating temperatures	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-31° to 151°F (-35° to 67°C)	-31° to 151°F (-35° to 67°C)	-31° to 151°F (-35° to 67°C)
Weight	5.7 oz	9.1 oz	9.3 oz	8.9 oz	9.5 oz	9.5 oz
Material	PBT Polymer					

- Some features and benefits listed on the front may not be applicable to the smart-only and proximity-only readers.
- Other output options available through configuration.
- For more detail, see [Schlage Credentials Compatibility Guide](#) for readers and locks.
- DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, ST Microelectronics® CSN, Texas Instruments Tag-It® CSN, Phillips I-Code® CSN.
- Schlage® Proximity, HID® Proximity up to 37 bit lengths, GE/CASI® Proximity, AWID® Proximity, LenelProx®.
- 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, Schlage smart cards using MIFARE® DESFire® EV3.
- Compatible with Bluetooth and NFC-enabled smartphones.
- RS-485 model numbers include "-485" after the original model number. For example, MT11-485 is the RS-485 version of the multi-technology mini-mullion reader. Multi-drop, Open Standard Device Protocol (OSDP).