



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 and 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
- Apple Wallet® and Google Wallet™ NFC student ID and employee badge
- HID iCLASS®, iCLASS SE® and SEOS® plastic and NFC mobile credentials
- Schlage Mobile Bluetooth® Credential
- Other competitive credentials (see the [Credential Compatibility Guide](#))

Schlage Credential Services

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

Features and benefits

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

- Compatible with NFC-enabled mobile devices
- 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

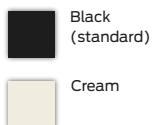


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Credential Services**



Model ¹	MT11		MT15	MTK15	MTMS15	MTMSK15		
Reader type	Multi-technology mullion		Multi-technology single gang	Multi-technology with keypad single gang	Multi-technology with magnetic stripe	Multi-technology with 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 ²		■			
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		
Technologies supported in default mode								
Schlage Proximity	■		■	■	■	■		
HID® Proximity ³	■		■	■	■	■		
GE/CASI ProxLite®	■		■	■	■	■		
AWID® Proximity	■		■	■	■	■		
LenelProx®	■		■	■	■	■		
Schlage MIFARE Classic®	■		■	■	■	■		
Schlage MIFARE Plus®	■		■	■	■	■		
Schlage MIFARE DESFire®	■		■	■	■	■		
DESFire® CSN	■		■	■	■	■		
HID iCLASS® CSN	■		■	■	■	■		
Inside Contactless PicoTag® CSN	■		■	■	■	■		
ST Microelectronics® CSN	■		■	■	■	■		
Texas Instruments Tag-It® CSN	■		■	■	■	■		
Phillips I-Code® CSN	■		■	■	■	■		
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 / EV2: 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 ⁴ (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	4.43" x 5.17" x 1.15" 11.25 cm x 13.13 cm x 2.92 cm	4.43" x 5.17" x 1.15" 11.25 cm x 13.13 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)		
Weight	5.7 oz		9.1 oz	9.3 oz	8.9 oz	9.5 oz		
Material	■		PBT Polymer		■			

Color options⁵



Cool tone gray
Warm tone brown

- 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.
- Proximity bit lengths greater than 37 not supported.
- 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).
- Lead time may apply for non-standard colors.

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Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions.

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