



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

Features and benefits

Schlage multi-technology readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one-unit handling multiple formats simultaneously. Wiegand and RS-485 output available for simple interface with most access control panels.

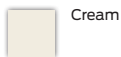
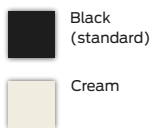
- Compatible with NFC-enabled mobile devices
- Limited lifetime warranty
- Accommodates interior, exterior, metal and non-metal installation environments
- Quick-connect cable allows for easy installation
- Easy-to-install mounting bracket
- Available finishes include: Black (standard), cool-tone gray, cream and warm-tone brown





Model*	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 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**					
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
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*** (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					
Technologies supported in default mode						
Schlage Proximity	■	■	■	■	■	
HID® Proximity	■	■	■	■	■	
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	■	■	■	■	■	

Color options†



* 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.

*** 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

About Allegion

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. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit www.allegion.com



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Multi-technology magnetic stripe readers



Overview

Schlage® multi-technology magnetic stripe readers are designed to simplify your access control solutions. Transition your system from an existing population of magnetic stripe cards to more secure smart card technology at your own pace. Schlage multi-technology readers are versatile enough to read magnetic stripe, 125 kHz proximity, and 13.56 MHz contactless smart cards in a single unit, handle all applicable ISO standards (14443A, 14443B, 15693), and are FIPS 201 compliant. Schlage multi-technology magnetic stripe readers interface with Schlage smart credentials (MIFARE Classic®, MIFARE Plus® and MIFARE® DESFire® EV1), and can read the card serial numbers (CSN) of a variety of smart cards from other manufacturers, making your next upgrade in technology simple and seamless. Additionally, Schlage readers are already NFC compatible and able to communicate with NFC-enabled phones whenever you're ready to take that step.

Schlage multi-technology magnetic stripe readers use an open architecture platform designed to work with industry standards and common access control system interfaces. And with an attractive modern design they'll complement any facility's architecture and décor. Schlage readers are very easy to install with the quick-connect design and a standard wiring color scheme that most technicians are already accustomed to. But if you do have questions, you'll never worry about lack of service or assistance. As always, our knowledgeable sales and support staff is ready to assist you with any design or technology questions you may have.

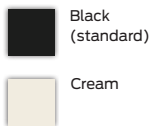
Features and benefits

- Accommodates interior, exterior, metal, and non-metal environments
- Recognizes magnetic stripe credentials, most proximity credentials, and Schlage smart credentials (MIFARE Classic, MIFARE Plus and MIFARE DESFire EV1)
- FIPS 201 compliant
- NFC compatible, reads Schlage and aptiQ® mobile credentials
- Quick-connect cable for easy installation
- Simple wiring – color scheme is identical to most readers in the market
- Easy-to-install mounting bracket
- Tri-state LED (red, green, amber) visual indicator and audio feedback representing status and activity information, easily discernible for the audibly or visually impaired
- Wiegand or RS-485 output for simple interface with most access control panels
- Multiple reader cover color options
- Limited lifetime warranty
- Magnetic stripe track 2 default, tracks 1 and 3 configurable



Model	MTMS15	MTMSK15
Reader type	Multi-technology with magnetic stripe	Multi-technology with magnetic stripe and keypad
Frequency	13.56 MHz, 125 kHz, and magnetic stripe	13.56 MHz, 125 kHz, and magnetic stripe
FIPS 201 compliant	Yes	Yes
Standard default PIV output	75 bit PIV*	75 bit PIV*
Standards	ISO 14443A, 14443B, 15693	ISO 14443A, 14443B, 15693
Certifications	FCC certification · IC certification · UL 294 Listed · RED directive (15 EU countries) · CE mark · IP65	FCC certification · IC certification · UL 294 Listed · RED directive (15 EU countries) · CE mark · IP65
Voltage range	5-16 VDC	5-16 VDC
Power supply	Linear DC	Linear DC
Current requirement (at 12 VDC and 25 C; mAmps)	MTMS15 and MTMS15-485 Avg. 120mA Peak 200mA	MTMSK15 and MTMSK15-485 Avg. 120mA Peak 230mA
Read range	Proximity: up to 5" (12.7 cm) MIFARE Classic: up to 4" (10 cm) MIFARE Plus: Up to 1" (2.5 cm) DESFire EV1: up to 2" (5.1 cm) PIV credential: up to 2.5" (6.5 cm)	Proximity: up to 5" (12.7 cm) MIFARE Classic: up to 4" (10 cm) MIFARE Plus: Up to 1" (2.5 cm) DESFire EV1: up to 2" (5.1 cm) PIV credential: up to 2.5" (6.5 cm)
Cable specification	18 AWG, 5 conductor stranded/shielded	18 AWG, 5 conductor stranded/shielded
System interfaces	Wiegand / Clock & Data / RS-485** (OSDP)	Wiegand / Clock & Data / RS-485** (OSDP)
Cabling distance	Wiegand output: 500 ft (152 m)	Wiegand output: 500 ft (152 m)
Physical dimensions (H x W x D)	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	-31° to 151°F (-35 to 67°C)	-31° to 151°F (-35 to 67°C)
Weight	8.9 oz	9.5 oz
Material	PBT polymer	PBT polymer
Technologies supported in default mode		
Magnetic stripe (tracks 1, 2, or 3)***	■	■
Schlage Proximity	■	■
XceedID® Proximity	■	■
HID® Proximity	■	■
GE/CASI ProxLite®	■	■
AWID® Proximity	■	■
LenelProx®	■	■
Schlage/aptiQ/XceedID smart cards using MIFARE Classic	■	■
Schlage/aptiQ mobile	■	■
Schlage smart cards using MIFARE Plus	■	■
Schlage/aptiQ smart cards using MIFARE DESFire EV1	■	■
DESFire® CSN	■	■
HID iClass® CSN	■	■
Inside Contactless PicoTag® CSN	■	■
ST Microelectronics® CSN	■	■
Texas Instruments Tag-It® CSN	■	■
Phillips I-Code® CSN	■	■

Color options†



* Other output options available through configuration.

** RS-485 model numbers include "-485" after the original model number. For example, MTMS15-485 is the RS-485 version of the multi-technology mini-mullion reader. Multi-drop, Open Standard Device Protocol (OSDP).

*** By default, the MTMS15 and MTMSK15 readers will read track 2 of the magnetic strip. If you require the ability to read track 1 or track 3, please contact technical support at 1-877-671-7011 for configuration options.

† Lead time may apply for non-standard colors

About Allegion

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FIPS 201 compliant readers



Overview

Schlage® smart and multi-technology readers have been approved by the U.S. Government under HSPD-12 for FIPS 201-1 and FIPS 201-2* compliance as PIV transparent readers. PIV compliance is available on five reader models, including the MT11-485 multi-technology mullion, MT15-485 multi-technology, MTK15-485 multi-technology with keypad, MTMS15-485 multi-technology with magnetic stripe and MTMSK15-485 multi-technology with magnetic stripe and keypad.

Schlage multi-technology readers are a unique and critical component of successful security upgrades in all sectors of the government. FIPS 201-1 and 201-2 are Federal Information Processing Standards (“FIPS”) developed by the National Institute of Standards and Technology (“NIST”) to satisfy the requirements of HSPD-12, a Homeland Security Presidential Directive. One of the main objectives of HSPD-12 is to ensure government-wide interoperability for information technology and security through the implementation of a range of federal standards and product requirements. FIPS 201 seeks to improve identification and authentication of federal employees and contractors for access to the federal facilities and information systems.

Schlage FIPS 201 PIV compliant readers are available with multiple data output formats, which provide unprecedented versatility within the PIV and PIV-I specification.

In addition to reading approved FIPS 201-1 and 201-2 PIV and PIV-I credentials, Schlage smart and multi-technology readers are also compatible with many standard proximity and leading smart card technologies (see specifications). The ability to read multiple existing card types and PIV and PIV-I cards simultaneously is a tremendous benefit to those agencies looking to transition seamlessly from older proximity technologies to new, mandated PIV and PIV-I credentials. A mixed population of old proximity credentials and new PIV and PIV-I credentials is unavoidable during the government’s multi-year upgrade path to FIPS 201 compliance.



Features and benefits

- **Compatibility:** compatible with industry standard magnetic stripe technology (tracks 1, 2, or 3) and 125 kHz and 13.56 MHz contactless technologies
- **Read range:** up to 6" (proximity), up to 2" for PIV and PIV-I credentials
- **Tri-state LED (red, green, amber):** visual indicator and audio feedback representing status and activity information
- **Tamper detection**
- **Environment:** accommodates interior, exterior, metal and non-metal installation environments

* Disclaimer: FIPS201-1 certification is standard with all Schlage and Schlage readers noted. FIPS201-2 certification is tested and listed in conjunction with a full access control system, including panel, reader, and software components. For a full list of full access control systems that are certified with Schlage and Schlage readers, please refer to the APL at idmanagement.gov.



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Credential Services

Additional features

- Compliance: compatible with applicable ISO standards
- Warranty: limited lifetime against defective workmanship and materials
- Additional technologies supported
 - Magnetic stripe
 - Track 1, 2, or 3
 - Proximity
 - Schlage
 - XceedID®
 - HID® Proximity (certain formats)
 - GE/CASI ProxLite™
 - AWID® Proximity
 - Smart card (secure sector only)
 - Schlage MIFARE Classic®
 - Schlage MIFARE Plus®
 - Schlage MIFARE® DESFire®
 - PIV and PIV-I
 - Smart card (card serial number only)
 - DESFire® application HID iClass®
 - Inside contactless PicoTag™

Ordering information

- **MT11-485** - Multi-technology mullion reader
- **MT15-485** - Multi-technology single gang reader
- **MTK15-485** - Multi-technology with keypad single gang reader
- **MTMS15-485** - Multi-technology magnetic stripe reader
- **MTMSK15-485** - Multi-technology with magnetic stripe reader and keypad

Schlage PIV readers have been approved by the GSA lab as compliant with FIPS 201-1 and the appropriate PIV credentials.

Please see Schlage Multi-technology readers data sheet for specific technical information.

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Reader accessories

Overview

Choosing the right electronic access control solution is at the heart of your company's security ecosystem – whether used only for access control, or for other applications such as cashless vending, logical access, transportation or biometric data—choosing the right credential and reader system for your current needs—and for what might happen—in the future is critical.

Schlage® offers a variety of accessories and replacement parts to ensure your readers are always performing well.

Reader covers

Replacement reader covers can be used to replace faded or cracked covers and to change the color of your readers along with any updates to the facility's décor. We offer four color options – black, cream, cool tone gray and warm tone brown. Please note that the MTB Series is only available in Black (standard) and cream.

Cosmetic backplate covers

While replacing legacy readers with Schlage readers, the footprint of the legacy reader may be larger than that of the new reader. Cosmetic backplate covers accommodate this issue. Available in three sizes, our cosmetic backplate covers are designed to cover holes and unpainted areas that you do not wish to invest time and money to repair.

Quick-connect cable

The quick connect cable allows the installer to connect the necessary reader wires without the hassle of a reader case hanging off the other end. Simply connect the wiring harness and plug the reader in, it's that easy. Every reader already comes with a quick-connect cable, but you can order the cable separately if you need extras.

Other accessories

Following repeated use, the magnetic stripe read head in a reader can wear down. We offer a replacement magnetic stripe read head for our Schlage multi-technology magnetic stripe readers.

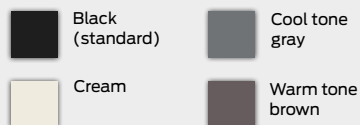
Reader mounting backplates are designed as a quick mounting bracket for a simplified installation process. Every reader comes with a reader backplate, but you can also order these separately if you need replacements and extras.

Reader covers



Color options*

*MTB Series covers only available in Black (Standard) and Cream.



Cosmetic backplate covers



Quick-connect cable





Reader model		PR10 and SM10	MT11 / MTB11	MT15 / MTB15	MTK15 / MTKB15	MTMS15	MTMSK15
MT Series part number	Black	47317553	47317557	47317563	47317569	47317575	47317579
	Brown	47317554	47317559	47317565	47317571	47317576	47317580
	Gray	47317555	47317560	47317566	47317572	47317577	47317581
	Cream	47317556	47317561	47317567	47317573	47317578	47317582
MTB Series part number	Black	N/A	47317558	47317564	47317570	N/A	N/A
	Cream	N/A	47317562	47317568	47317574	N/A	N/A
Reader type		Mini-mullion	Mullion	Single gang	Single gang with keypad	Magnetic stripe	Magnetic stripe with keypad
Dimensions (HxWxD)		4.26" x 1.72" x 0.81"	5.91" x 1.72" x 0.81"	5.1" x 3.25" x 0.76"	5.1" x 3.25" x 0.76"	4.43" x 5.17" x 1.15"	4.43" x 5.17" x 1.15"
Material		PNT polymer	PNT polymer	PNT polymer	PNT polymer	PNT polymer	PNT polymer



Part	Cosmetic backplate cover		Quick connect cable/ pigtail	Magnetic stripe read head	Mounting backplate	
Part number	Mini-mullion/ mullion	CP-11	MT Series pigtail 18 inches - 23846462 MTB Series pigtail 12 inches - 47265286	47252693	Mini-mullion	23846355
	Single gang	CP-15			Mullion	23846397
	Mid range	CP-21			Single gang	23846439
Dimensions	Mini-mullion/ mullion	6.70" x 2.50"	N/A	N/A	5.1" x 3.25" x 0.76"	
	Single gang	5.65" x 3.85"				
	Mid-range	6.45" x 5.50"				

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