



Smart technology credentials

High frequency (13.56 MHz) smart technology credentials have been used for over 25 years in industries such as banking, U.S. government and metropolitan mass transit. These credentials using MIFARE Classic®, MIFARE Plus® or MIFARE® DESFire® offer the highest in security, in comparison to the outdated technology in magnetic stripe and proximity credentials. With unique storage capabilities, smart credentials also offer the flexibility to provide more than just access control. Below are specifications for all three types of technologies to highlight the major upgrades realized when investing in smart technology.

		Proximity	Magnetic stripe	Smart
Security				
Encryption	Data being relayed between the card and reader is protected	—	—	■
Diversified keys	If one card is compromised, only that one card is affected; all other cards remain secure	—	—	■
Mutual authentication	Two way communication between the card and the reader to ensure both have authority to exchange data	—	—	■
Convenience				
Contactless	Does not wear down card or reader	■	—	■
Communication rate	13.56 MHz; 100 times faster data transfer than proximity	—	—	■
Data storage	Can store multiple applications for a variety of functions	—	—	■
Storage				
Programming	Open-architecture system that allows uses beyond access control such as cashless vending, record storage, biometric template, etc.	—	—	■
Standardization	Gives vendors flexibility to write applications to the card	—	—	■



Making the switch

Are your readers and credentials providing the features that have come to be expected from your access control system? Without the security, convenience and storage features and capabilities of smart technology your credentials are not allowing you to optimize your system and protect your facility.

With Schlage® multi-technology readers and multi-technology credentials, you can transition systems from an existing population of magnetic stripe or proximity cards to more secure smart card technology at your own pace. The Schlage reader portfolio is versatile enough to read magnetic stripe, 125 kHz proximity, and 13.56 MHz contactless smart cards in a single unit.¹

Not only do Schlage multi-technology readers allow you to easily and economically upgrade your credentials at your own pace, but they are also easy to install or replace with a quick-connect design that uses standard wiring currently used in most existing installations.

¹ PR10 and SM10 read proximity or smart technology only, respectively.

Learn more

To learn more about Schlage readers and credentials contact your local sales representative at 855.248.0302 or visit allegion.com/us.

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