



## PermaSeal and SlimSeal

### Insertion Secure Card Reader Authenticator



PermaSeal  
Insertion SCRA built for outdoors



SlimSeal  
Insertion SCRA

MagTek Insertion Secure Card Reader Authenticators support up to 3 tracks of data from ISO and AAMVA encoded cards. PermaSeal and SlimSeal offer flexibility with left or right read heads and card reading occurring on insertion or withdrawal from the card slot when the card is oriented such that the card's magnetic stripe contacts the read head.

### PermaSeal and SlimSeal use the MagneSafe™ Security Architecture

MagneSafe is a digital identification and authentication architecture that safeguards consumers and their personal data. Designed to exceed PCI regulations, MagneSafe leverages strong encryption, secure tokenization, counterfeit detection, tamper recognition, data relevance and integrity, and dynamic digital transaction signatures, which together validate and protect the entire transaction and each of its components.

A key feature of MagneSafe is MagnePrint® card authentication, a patented, proven technology which reliably identifies counterfeit credit cards, debit cards, gift cards, ATM cards and ID cards at the point of swipe, before fraud occurs. MagneSafe's multi-layer security provides unmatched protection and flexibility for safer online transactions.

MagnePrint is a dynamic card authentication technology based on the unique physical properties of the magnetic stripe, also referred to as the stripe's digital identifier or (DI). It provides validation that the card itself is genuine and that its encoded data has not been altered.



Call a representative to learn more: 562-546-6400.



# Specifications

When a card is inserted in the reader, the track data and MagnePrint information will be encrypted using TDEA (Triple Data Encryption Algorithm, aka, Triple DES) and DUKPT (Derived Unique Key Per Transaction) key management. This method of key management uses a base derivation key to encrypt a key serial number that produces an initial encryption key which is injected into the reader prior to deployment. After each transaction, the encryption key is modified per the DUKPT algorithm so that each transaction uses a unique key. Thus, the data will be encrypted with a different encryption key for each transaction.

## SlimSeal

The SlimSeal Secure Card Reader Authenticator is available in a variety of interfaces and head arrangements. SlimSeal can be mounted either for horizontal or vertical card insertion. A card-present sensor at the rear of the slot notifies the application that a card has been inserted so that the cardholder can be prompted with further instructions.

## PermaSeal

The PermaSeal Secure Card Reader Authenticator is designed for installations that might be subjected to harsh environments such as fuel (petroleum) pumps and outdoor kiosks. The water-tight design of the bezel and reader body make it ideal for outdoor applications. The design further protects the electronics from harmful contamination. This compact insertion style SCRA conforms to ISO standards.

Reference Standards	ISO 7810 and ISO 7811/ AAMVA*
Magstripe Functions	Track 1,2,3
Recording Method	Two-frequency coherent phase (F2F)
Message Format	ASCII
Card Speed	4 to 60 ips (10.1 to 152.4 cm/s)

### OPERATING

Power Input	5V from USB bus
Current	
Normal Mode	100mA maximum
Suspend Mode	500uA maximum

\*ISO (International Standards Organization) and AAMVA (American Association of Motor Vehicle Administrators).

Bezel Options	flat or extended
Mounting	4 screws and washers with mounting bezel, apply 5.0 +/- 0.5 inch lbs of torque when installing the screws
Connector	USB mini B 5-pin

### ENVIRONMENTAL

#### Temperature

Operating	-30°C to 70°C (-22°F to 158°F)
Storage	-40°C to 70°C (-40°F to 158°F)

#### Humidity

Operating	10% to 90% noncondensing
Storage	10% to 90% noncondensing

### DIMENSIONS

Core chassis	Length	4.66 in. (118.4mm)
	Width	2.56 in. (65.02mm)
	Height	1.01 in. (25.65mm)

PN	Description
21063018	P-Series, Extended, Right Head
21063019	P-Series, Extended, Left Head
21063020	P-Series, Flat, Right Head
21063020	P-Series, Flat, Left Head