

GENERAL	<b>ALL READERS</b>		
	Reference Standards	ISO 7810 and ISO 7811/ AAMVA*	
	Power Input	5V from USB bus	
	Recording Method	Two-frequency coherent phase (F2F)	
	Message Format	ASCII	
	Card Speed	4 to 60 ips (10.1 to 152.4 cm/s)	
Encryption	3DES DUKPT		
Authentication Technology	MagnePrint®		
ELECTRICAL	<b>ALL READERS</b>		
	Current		
	Normal Mode	100mA maximum	
Suspend Mode	500mA maximum		
MECHANICAL	<b>Full-Sized</b>		
	Dimensions	Length:	6.50in. (165.1 mm)
		Width:	1.74in. (44.2 mm)
		Height:	1.50in. (38.1 mm)
	Weight	6.8 oz. (192.7 gr)	
	Cable Length	6 ft.	
	Connector	USB Type A plug	
	<b>Mini</b>		
	Dimensions	Length:	3.94in. (100.0mm)m
		Width:	1.28 in. (32.5mm)
		Height:	1.23 in. (31.3mm)
	Weight	4.7 oz. (133.2 gr)	
Cable Length	6 ft.		
Connector	USB Type A plug		
ENVIRONMENTAL	<b>ALL READERS</b>		
	Temperature	Operating	0 °C to 70 °C (32 oF to 158 oF)
		Storage	-40 oC to 70 oC (-40 oF to 158 oF)
	Humidity	Operating	10% to 90% noncondensing
		Storage	10% to 90% noncondensing
	<b>P90</b>		
Dimensions	Length	3.49in. (88.5mm)	
	Width:	1.02in. (25.91mm)	
	Height:	1.00in. (25.4mm)	
Weight	1.2 oz. (34.0 gr)		
Connector	USB Mini B 5-pin		
<b>P55</b>			
Dimensions	Length:	2.08in. (52.83mm)	
	Width:	1.13in. 28.70mm)	
	Height:	1.21in. (30.73mm)	
Weight	1.3 oz. (36.9 gr)		
Connector	USB Mini B 5-pin		

**MagneSafe™ SECURE READERS- Unprecedented Transaction Security**



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MagneSafe SECURE Readers

# MagneSafe Secure Readers

The MagneSafe readers are dual purpose devices that can function not only as traditional multi-track 3-track readers, but also as authenticator devices. These readers represent a revolutionary technology breakthrough that provide card data privacy and online security while utilizing the trusted and familiar Credit/Debit/ATM magstripe cards that consumers already carry in their wallets. MagneSafe readers provide these capabilities in several models, including portable USB devices that can be connected to any Internet enabled PC. MagneSafe readers are available in a variety of desirable sizes, shapes and colors, providing consumers with a reader/authenticator device that is convenient, fast and easy to use.

For online financial applications, the MagneSafe readers offer secure Internet access, user authentication, device authentication, website authentication, and protection from phishing attacks.

For POS retail applications, the MagneSafe readers facilitate fast-track PCI DSS compliance and thus provide device authentication, data security and identity theft prevention for the consumer.



## MagneSafe Full-Size & Mini

The MagneSafe Full-size (160mm in length) and the MagneSafe Mini (100mm) are both secure readers developed for the business and industry market segments. These readers are specifically designed to meet PCI-DSS requirements to secure cardholder data via 3DES DUKPT encryption. Both readers are self-powered from the USB port, and can be connected to any PC or terminal with a USB interface. The MagneSafe Full-size and Mini secure readers feature MagnePrint card authentication technology which enables secure transactions for magstripe documents including credit, debit, gift cards, ATM, and ID cards.

## MagneSafe Security Benefits

The MagneSafe readers offer the following important security benefits:

- ▶ Identity Theft Prevention: the reader offers end-to-end data transaction security by fully encrypting all sensitive cardholder data.
- ▶ Simplify PCI and FFIEC compliance: by encrypting the data from the moment the card is swiped, the data is protected immediately, facilitating fast-track compliance.
- ▶ Multifactor-authentication: the readers enable the use of any magstripe card as secure token, creating an additional authentication factor for stronger security.
- ▶ Counterfeit Card Detection: With MagnePrint, the readers leverage the unique magnetic fingerprint of a magstripe card to reliably detect skimmed cards.
- ▶ Deter Online Fraud: By using a secure challenge/response method between the reader and the host website, the readers offer user, device and website authentication.
- ▶ "Card Present" data: The readers provide enhanced "Card Present" data by guaranteeing the authenticity of the magstripe card.



## MagneSafe P90 & P55

The MagneSafe P90 (90mm in length) and MagneSafe P55 (55mm in length) are portable USB card reader/authenticator devices offered in many vibrant colors. These readers are specifically designed as personal readers for privacy and security, thus providing extraordinary security for online banking and e-commerce applications. Both readers are self-powered from the USB port, and can be connected to any PC or terminal with a USB interface. The MagneSafe P55 and P90 secure readers feature MagnePrint card authentication technology which enables secure transactions for magstripe documents including credit, debit, gift cards, ATM, and ID cards.

SIZE REFERENCE  
(actual length & height)

