

About MagTek

Since 1972, MagTek has been a leading manufacturer of electronic devices and systems for the reliable issuance, reading, transmission and security of cards, checks, PINs and other identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card readers, check scanners, PIN Pads and distributed credential issuing systems. These products are used worldwide by financial institutions, retailers, hotels, law enforcement agencies and other organizations to provide secure and efficient electronic payment and identification transactions.

Today, MagTek continues to innovate with the development of a new generation of security centric products secured by MagneSafe™. By leveraging strong encryption, secure tokenization and real time authentication, MagneSafe products enable users to assess and validate the trustworthiness of credentials used for online identification, payment processing, and other high-value electronic transactions.

MagTek is based in Seal Beach, California and has sales offices throughout the United States, Europe, and Asia, with independent distributors in over 40 countries. For more information, please visit www.magtek.com.



MagneSafe Architecture

MagneSafe, introduced in 2006, started a revolution with the payment industry's first use of SCRAs (Secure Card Reader Authenticators). Its architecture is based on technology that makes cardholder data harder to acquire and dynamic, rather than static, eliminating its redemption value if stolen.



Strong Encryption

MagneSafe encryption scrambles the data at the point of swipe, providing instant protection. Without the secret key, the data is unreadable and never in the clear. By using strong industry standard encryption algorithms along with sound key management, MagneSafe protects cardholder data from prying eyes and eavesdroppers.



Counterfeit Detection

MagneSafe verifies legitimate cardholder data by successfully identifying the card's unique features and proving its authenticity.



Tamper Recognition

MagneSafe recognizes tampered cardholder data and assures that transactions are only performed using legitimate, unaltered cardholder information.



Data Relevance and Integrity

MagneSafe validates the relevance and integrity of the cardholder data gathered by a swipe, dip or insertion of a card. To know that the data is fresh, the reader itself supports mutual authentication, session management, and data integrity verification.



Secure Tokenization

MagneSafe supports secure tokenization so merchants and retailers do not have to store the actual PAN data on their host system. A unique "token" is generated with each swipe and it is this token that is used for settlement purposes or to retrieve information for charge backs so the data is never out "in the clear."



Dynamic Digital Identification

MagneSafe offers data obsolescence or auto-expiration by generation of dynamic authentication transaction values that change with each swipe of a card. This method assures that the cardholder track data is genuine – and has not been obtained from a breach or from a counterfeit card.



Device Authentication/Host Authentication

MagneSafe readers can be configured to authenticate a host before sending the encrypted card data. This type of authentication requires a mutual handshake between the MagneSafe reader and the host, eliminating the threat of being re-directed to an illegitimate host. Furthermore, the device itself can be authenticated so the host may know it is a valid reader-authenticator.