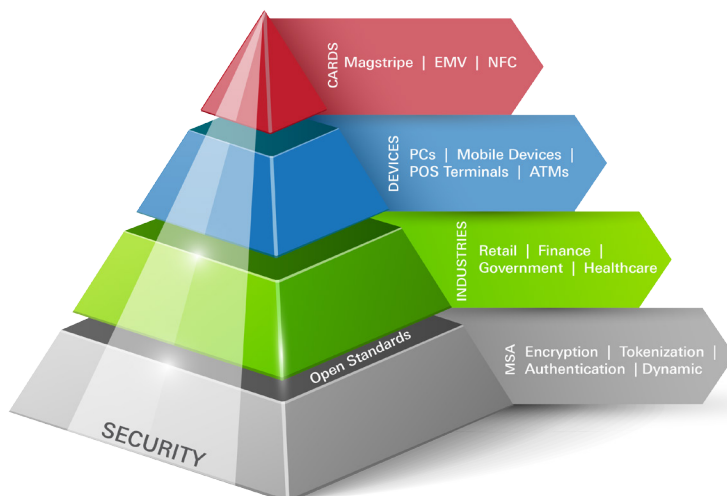




MagneSafe[®] Security Architecture

Four cornerstones: strong encryption, secure tokenization, authentication and dynamic data.

Everything MagTek does is built around our core MagneSafe Security Architecture (MSA). 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. MagneSafe's multi-layer security provides unmatched protection and flexibility for safer online transactions.



MagneSafe is supported by the entire payment and identification industry including retail, financial institutions and government agencies. MagneSafe is supported in MagTek POS terminals; other POS terminals including Verifone, Hypercom, and Ingenico; ATM machines, in teller lines, back offices, PCs; and smart phones and tablets including iOS and Android devices.

MagTek's MagneSafe Security Architecture is an open, flexible and secure core architecture to build upon, backed by MagTek's over four decades of commitment to continue to deliver the highest quality secure products, services, and support for all of your evolving needs.



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



Form Factors

MagneSafe works using the most widely used and accepted payment form factor in the world. The MagneSafe Security Architecture works with the 5.5 billion magnetic stripe cards already in circulation including those coupled with EMV and contactless NFC EMV.



Tokenization

Supports both single use and multiple use tokens that work with any payments processor.



MagneSafe stops fraud

Counterfeit card data cannot get into the system and valid card data cannot be breached out of the system. MagneSafe delivers a layered approach to transaction security and combines encryption, tokenization, authentication and dynamic data to protect card data at the moment the card is swiped.

The MagneSafe Security Architecture provides the maximum security at the minimum cost, both in total dollars and implementation efforts.



Authentication

Card Authentication

MagnePrint® card authentication, a patented, proven technology reliably identifies counterfeit credit cards, debit cards, gift cards, ATM cards and ID cards at the point of swipe, before fraud occurs. MagnePrint is a dynamic card authentication technology based on the unique physical properties of the magnetic stripe. It provides validation that the card itself is genuine and that its encoded data has not been altered.

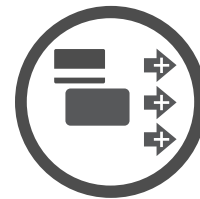
Device Authentication

Protection against rogue devices with secure key injection and mutual authentication between the payment device and the host.



Encryption

Open, 3DES end-to-end encryption; and industry-standard DUKPT key management, allows for greater flexibility.



Dynamic Data

Each swipe provides a unique identifier. DUKPT key management coupled with MagTek secure card reader authenticators' ability to read more data, including the actual natural change in the swipe output with each swipe, produces its own unique data set per swipe.