



Dynamag for Retail

Secure Card Reader Authenticator (SCRA)

For merchants that want both security and ease of use, the Dynamag Secure Card Reader Authenticator (SCRA) is MagneSafe[®] secured and offers a reliable and convenient swipe path with complete security features for the peace of mind you can trust. Specifically designed to meet PCI DSS requirements to secure cardholder data, the Dynamag employs the industry standard, Triple DES encryption. This bidirectional SCRA conveniently makes any existing merchant application more secure.



Dynamag
Secure card reader
authenticator, USB powered
and connected

Secure card swipe for transactions or access

MagTek secure card reader authenticators (SCRAs) use the MagneSafe Security Architecture (MSA). The MSA has evolved exponentially from its inception in 2006 when it delivered the industry's first SCRAs for secure electronic transactions. The MSA is a digital identification and authentication architecture that safeguards consumers and their personal data. Designed to exceed PCI regulations, MSA 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 the MSA 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. MSA's multi-layer security provides unmatched protection and flexibility for safer online transactions.



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



Ease of integration

MagTek understands that development time is expensive, and that “time to market” is critical. The Dynamag is a plug-n-play USB device (USB power and connection). Dynamag is 100% interface compatible with all traditional MagTek readers and is a drop-in replacement that requires no change to the merchant’s POS software solution.

Reduce PCI scope

MagTek’s wholly owned subsidiary, Magensa, provides authentication for personal electronic devices including payment terminals, PIN entry devices, encrypting check scanners, and secure card reader authenticators. Using a proven mutual authentication technique, secured devices are programmed to generate an encrypted challenge and communicate directly to MagTek using an SSL connection. Legitimate devices can be identified and authorized for use while rogue devices can be identified and stopped before they are used to commit fraud. This exceeds PCI compliance measures. Coupled with instant encryption of cardholder data in the read head, PCI scope is greatly reduced.

Peace of mind

The Dynamag enables retailers to “future proof” their POS and PC-based electronic transactions that support today’s traditional applications and tomorrow’s advanced security requirements. The Dynamag gives you the flexibility to activate advanced security features through device management including card authentication, data encryption, and device/host authentication remotely when higher security is necessary.

Save time and resources with secure remote key injection and key management. MagTek’s secure infrastructure allows merchants to safely and remotely inject encryption keys. This minimizes risk, while lowering costs, eliminating the need for merchants to manage sensitive information (such as encryption keys or device configuration settings) and enhances overall operations.

Remote Services for key and device management allow for the upgrade of keys or device security settings throughout the life of the device, and remove the need for merchants to recall devices. Such flexibility provides peace of mind in knowing that merchants have maximum flexibility to manage changes in the future and the flexibility to support tomorrow’s evolving payment technologies.

Industry standard compliance

- Remote key and device management services from MagTek are compliant with TR-39 environments
- MagTek is an official ESO (Encryption Support Organization). Visit VISA’s Global Registry of Service Providers for more details.

Specifications	Dynamag
Payment methods	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 4 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	NA
EMV contactless EMVCo L1 and L2, EMV Level 1/C-2/C-3/C-4/C-5 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A, Type B) C-1/ C-6/C-7 D-PAS®, PayPass™, payWave®, ExpressPay®, Apple Pay®	NA
Reliability and Operation	
MSR / SCRA swipes	1 Million
EMV insertions	NA
Operating System	Windows plug & play
Status indicators	Status LED (Green)
General	
Connection Method	USB Type A plug, 6ft
Wireless (Frequency 2.4 MHz)	NA
Interface	USB HID and USB KB
Display	NA
Optional Accessories	NA
Electrical	
Charging	None
Battery	No battery
Current and Power	Power via USB 100 mA max USB: 5V
Security and Certifications	
Compliance (FCC, CE, UL)	YES
Data protection 3DES encryption; DUKPT key management MagneSafe Security Architecture Unique, non-changeable device serial number	YES
Tamper	Evident/Resistant
Mechanical	
Dimensions L x W x H or L x W x D	3.92 x 1.24 x 1.2 (99.5 x 31.6 x 30.4 mm)
Weight	1.8 oz. (50 gr) without cable
Mount/Stabilizer	screws or fastening tape
Environmental	
Operating temp	32°F to 158°F (0°C to 70°C)
Operating humidity non-condensing	10% to 90%
Storage temp	-40°F to 158°F (-40°C to 70°C)
Storage humidity non-condensing	10% to 90%



Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, checks, PINs and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card reader/authenticators, encrypting check scanners, PIN pads and distributed credential personalization systems. These products are used worldwide by financial institutions, retailers, and processors to provide secure and efficient payment and identification transactions. Today, MagTek continues to innovate. Its MagneSafe hardware architecture leverages strong encryption, secure tokenization, dynamic card authentication, and device/host validation enabling users to assess the trustworthiness of credentials and terminals used for online identification, payment processing, and high-value electronic transactions. MagTek is headquartered in Seal Beach, CA. For more information, please visit www.magtek.com.