

MAGTEK[®]
SECURITY FROM THE INSIDE



mobile SCRA for Banking

Mobile Secure Card Reader Authenticators

Financial Institutions can future-proof investments when they choose MagTek solutions. Protect your brand and enhance your customer experience with MagTek's mobile Secure Card Reader Authenticators (SCRAs). SCRAs connect to most mobile smart phones or tablets and can capture more data with a single swipe. SCRAs offer the flexible options customers need with a stable swipe path for ease-of-use. SCRAs deliver dynamic card authentication, data encryption, tokenization, and device/host authentication to protect customers from identity theft and card fraud by pro-actively identifying counterfeit cards. MagTek has you covered with the most dynamic and flexible solutions that deliver the configuration choices and reliability even the most discriminating customers know and trust.

Better stability for faster, easier transactions

MagTek's rugged and ergonomic SCRAs capture more data with a single swipe and offer the flexible options customers need for ease-of-use. SCRAs are designed to work in the field and provide a smooth, stable swipe path for reliable card reading that yield the highest read reliability on first pass.

Lobby service representative

Now financial institutions can bring multiple, low-cost, service terminals directly to customers increasing convenience and security. Customer's will be impressed by the use of technology to simplify their visit and provide faster and improved service. Representatives will enjoy the sturdy swipe path and intuitive, user-friendly devices.



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

Secure mobile transactions

MagTek mobile 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.

Merchant Service Solutions

MagTek is your partner and offers your merchant customers an easier way to accept mobile payments securely with QwickPAY. QwickPAY delivers a broad range of compatibility, allowing browser-based, iOS, and Android devices to evolve into highly secure payment systems. QwickPAY provides a payment processing platform, an account management system, a virtual terminal, reporting, encryption, card and device authentication, counterfeit card detection and card tokenization brought to you by MagTek, an industry leader in credit card and POS peripherals.

With the QwickPAY App, a merchant account, and SCRA, your business merchants can easily accept Visa, MasterCard, Amex, Discover and Qwick Codes payments from almost anywhere. This minimizes check handling, teller line transactions and reduces cash handling while creating new revenue streams.

Versatility and Reliability

Simple device connection and a reliable swipe path, make training fast, which is really important in seasonal businesses or retailers with higher turnover rates. Designed for simplicity, mobile SCRAs allow retailers to focus on business with direct integration into existing POS terminals and existing merchant accounts. MagTek offers a comprehensive platform of drivers, APIs, and SDKs for fast development and easier integration.

No other card readers beat the protection offered by MagneSafe.

tDynamo (Gen II) - magstripe, EMV, NFC; wireless, USB connection

Point-of-service and point-of-sale needs to be fast, reliable and secure. tDynamo delivers on all three and meets the growing demand from your customers to use the latest in technology in the easiest-to-use form factor. The tDynamo reader is a simple way to take a wide variety of payment methods, in a small, versatile device. tDynamo is a three way (magnetic stripe, chip card, contactless) card reader. tDynamo allows you to slide quickly between a counter top or mobile platform, giving you flexibility through-out the day.



tDynamo (Gen II)
Three-way
SCRA, EMV, NFC



eDynamo
EMV contact, magstripe; Bluetooth LE and USB connection

eDynamo, MagTek’s newest secure card reader authenticator, gives users the flexibility needed to securely accept a variety of payment card technologies. Whether accepting a traditional magnetic stripe card or a contact EMV card, eDynamo gives merchants the ability to connect via USB or Bluetooth® Smart, delivering one reader for mobile or stationary needs. This design leads to saving the user money on a single, low-cost, yet highly secure device.

The dual interface delivers compatibility for traditional Microsoft Windows computers in addition to Bluetooth Smart (BLE) compatible tablets and smartphones. The low energy consumption extends the life of its rechargeable battery when interfacing via BLE, and the USB wired connection keeps eDynamo up and running without worrying about battery life. eDynamo is a flexible, reliable, and secure card reading solution.



eDynamo
 SCRA and EMV chip card reader with BLE and USB connection

Flash
Magstripe; memory; USB connection

Flash is ideal for payments where cabled or wireless connections are not accessible, Flash makes secure card transactions available. With Flash, the card data is not only captured in a single swipe, but is also encrypted at the moment of swipe. This enables up to 71 transactions to be stored before downloading to a host. The encrypted information can later be transferred to a PC, where an application can retrieve the transactions to reconcile orders, verify cardholder data, and process transactions.



Flash
 SCRA for USB connection with memory

iDynamo 5 (Gen II) -
Magstripe; iOS Lightning connection

Mobile merchants can now leverage the power of their iPad, iPhone and iPod touch products without the worries of handling or storing sensitive card data at any time. Ideal for merchants and mobile users, the iDynamo offers MagneSafe security features combined with the power of iPad, iPhone and iPod Touch products with either 30-PIN or Lightning interface options. This powerful combination assures convenience and cost savings while maximizing card data protection and transaction security from the moment the card is swiped all the way to authorization.

iDynamo 5 (Gen II): Made for iPhone 11 Pro max, iPhone 11, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPad Pro 9.7-inch, iPad Pro 12.9-inch (1st generation), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad (6th and 5th generation).



iDynamo 5 (Gen II)
 SCRA made for iOS devices
 Lightning connector



iDynamo 6 -
Magstripe, EMV, NFC; iOS Lightning and micro USB

iDynamo 6 is an SCRA with magnetic stripe, EMV contact, and EMV / NFC contactless reading capabilities. To use the contactless capabilities, the device must be powered from a fully-powered USB-C port, or must be fitted with the optional battery pack for hand-held solutions. The removable battery pack gives the flexibility to accept two or three methods of transaction in one compact reader, and to function as a battery-free device if hand-held contactless payments are not required. The versatile mounting bracket included with the device can be used to enhance mechanical stability with many host types including those with iOS, Windows, and Android operating systems. iDynamo 6 delivers a smart solution for companies that need the most flexibility in the smallest form factor at a great price.

Made for iPhone 11, iPhone X, iPhone XR, iPhone XS, iPhone XS Max, iPhone 8, iPhone 8 Plus, iPhone 7, iPhone 7 Plus, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPad Pro 10.5-inch, iPad Pro 12.9-inch (2nd generation), iPad Pro 9.7-inch, iPad Pro 12.9-inch (1st generation), iPad mini (5th generation), iPad mini 4, iPad Air (3rd generation), iPad Air 2, iPad mini 3, iPad Air, iPad (6th generation), iPad (5th generation).



iDynamo 6
 SCRA different models make several host connection types available, including Lightning plug, USB-C plug or receptacle, and Micro-USB B plug



	eDynamo	iDynamo 5 (Gen II)	iDynamo 6	tDynamo (Gen II)
Payment methods				
Magstripe secure card reader authenticator 3 Track (TK1/2/3); Bidirectional ISO 7810, 7811; AAMVA driver licenses	YES 6 ips to 60 ips	YES 6 in./s to 60 in./s (15 cm/s to 152 cm/s)	YES 4 ips to 60 ips	YES 4 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES	NA	YES	YES Terminal type 21 and 24
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA	NA	YES Optional battery pack is required for mobile operation	YES
NFC contactless / mobile wallets ISO/IEC 14443 (Type A, Type B) C-6 EMV Contactless, Apple Pay®, Apple VAS®, D-PAS®, ExpressPay®, Google Pay, PayPass™, payWave®, Samsung Pay®	NA	NA	YES Optional battery pack is required for mobile operation	YES
Signature Capture (PIN PEDs only)	NA	NA	NA	NA
Reliability and Operation				
MSR / SCRA swipes	100K	100K	200K	200K
EMV insertions	100K	NA	200K	100K
Operating System	Windows plug & play USB: Windows 7/8, 1/10 Wireless: iOS 7.1 or newer, Android 4.4.2 or newer, Windows 8.1, Windows 10	iOS 8 and above	iOS 9.0+ Any OS that supports USB HID 2.0 +	iOS, Android and Window
CPU and memory	Non-volatile	Non-volatile	STM 32	Cortex M3, 1 MB memory
Status indicators	Wireless Status LED (Blue) Status LED (Red/Green/Amber)	NA	1 LED	Wireless (Blue) Status LED (Red/Green/Amber)
Device Compatibility	Android, Windows, iOS	Made for iOS Lightning connector devices.	iDynamo 6 with Lightning is Made for iPad and iPhone	iPad, iPhone, Android phones
General				
Connection Method	Micro-USB B [HID]	Lightning	Lightning, USB Type C, micro USB (female & male)	USB Type C USB 2.0 com
Wireless (Frequency 2.4 MHz)	Certain standard wireless	NA	NA	Certain standard wireless
Interface	USB, Wireless	USB-C for pass-thru charging	USB, Lightning	USB Type C with high current USB 2.0 com, Wireless
Display	NA	NA	NA	NA
Secure Key Pad	NA	NA	NA	NA
Optional Accessories	Retractable cable, Optional case	Cable and adapter stabilizers	Mounting bracket, battery	Optional charging dock
Electrical				
Charging	Rechargeable Micro-USB charge Charging Time 3Hr	USB C connector	USB 2.0 Type C Apple adapter	Rechargeable USB 2.0 charge Charging Time: 1.5Hr
Battery	Li-ion Polymer 800 mAh & Coin cell backup	No Battery	Li-Po 400mAh Charging Time 2-3 Hrs.	Li-ion Polymer
Current and Power	Power via USB or Battery USB: 5 VDC ~ 500mA Battery: 3.7 VDC < 100 mA	2.85 to 3.47 VDC from the attached iOS host 5 VDC on USB power	Power through iOS or USB. EMV/NFC Contactless requires battery pack in mobile operations	Power via USB or Battery. USB: 5 VDC
Security and Certifications				
Compliance (FCC, CE, UL)	YES	YES	YES	YES
Data protection 3DES encryption; DUKPT key management; MagneSafe Security Architecture Unique, non-changeable device serial number	YES	YES	YES	YES
Tamper	Evident/Resistant	Evident/Resistant	Evident/Resistant	Evident/Resistant
Mechanical				
Dimensions L x W x H or L x W x D	2.45 x 1.52 x 0.97 in. (62.2 x 38.7 x 24.7 mm)	2.47 x 1.5 x 0.58 in. (62.7 x 38.1 x 14.7 mm)	2.75 x 2.1 x 0.73 in. (70 x 53.9 x 18.75 mm) with battery pack: 2.8 x 2.24 x 1.3 in. (72.72 x 57.8 x 33.0 mm)	3.94 x 3.15 x 0.61 in. (100 x 80 x 15.5 mm)
Weight	2.2 oz. (60 g)	w/o adapter 1.02 oz. (28.94 g)	iDynamo 6: 0.90 oz. (25.4g) Battery pack: 1.68 oz. (47.6g)	4 oz. (133.4 g)
Mount/Stabilizer	Optional docking station	Device adapters	Optional Multi-Device Adapter	Optional charging dock
Environmental				
Operating temp	32°F to 113°F (0°C to 45°C)	32°F to 95°F (0°C to 35°C)	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)
Operating humidity non-condensing	5% to 90%	5% to 90%	5% to 90%	10% to 90%
Storage temp	32°F to 113°F (0°C to 45°C)	-4°F to 113°F (-20°C to 45°C)	32°F to 113°F (0°C to 45°C)	-4°F to 113°F (-20°C to 45°C)
Storage humidity non-condensing	5% to 90%	5% to 90%	5% to 90%	10% to 90%