

MAGTEK[®]
SECURITY FROM THE INSIDE



Mobile Readers for Retail Secure Card Reader Authenticators



uDynamo
SCRA shown here connected to
iPad Mini. Made for Android and
iOS audio jack connection.

Merchants around the globe rely on MagTek's mobile Secure Card Reader Authenticators (SCRAs). MagTek's SCRAs capture data with a single swipe and offer the reliability and flexibility retailers need for ease-of-use. SCRAs are powered by the MagneSafe™ Security Architecture (MSA) which delivers dynamic card authentication, data encryption, tokenization, and device/host authentication to protect customers from identity theft and card fraud. MagneSafe SCRAs pro-actively identify counterfeit cards to reduce chargebacks to merchants.

Secure Mobile Transactions

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.

Better Stability - Faster, Easier Transactions

MagTek's mobile SCRA devices are rugged and the ergonomic design provides a smooth, stable swipe path for reliable card reading, yielding the highest read reliability on first pass.



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

Mobile Merchants

Bring mobile payments to a new level, with pop-up stores, tent sales, high end /high dollar on-floor retail, and drive-thru service. Multiple users, fleet sales management, private limo services, cab companies, car fleets, in flight payments, and tour guides can all use mobile POS. Mobile merchants can now leverage the power of their mobile products without the worries of handling or storing sensitive card data at any time. Merchants can bring multiple, low-cost, service terminals directly to their customers, increasing convenience and customer service. Customers' will be impressed by the use of technology used to simplify their purchase and the faster and improved service. Employees will enjoy the sturdy swipe path and intuitive, user-friendly devices.

Reduce Scope of PCI - Exceed Compliance Measures

MagTek mobile SCRA's deliver instant encryption so your customers' sensitive card details never enter your phone or tablet. The data is sent securely over SSL connections for decryption, authentication and processing. SCRA's are the ONLY readers that can perform real-time counterfeit card detection and encrypt the card data within the read head.

Durable, Reliable, Easy Integration.

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 SCRA's 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.

Mobile POS - Accept more sales

Mobile SCRA's deliver a POS that fits in the palm of the hand, and allows merchants to setup shop almost anywhere, for in-person direct sales and payment. Whether you are an on-the-road sales force, or a company of one, MagTek mobile devices are priced to meet the scale of your business.

Bring the POS terminal to your customers to ease their mind and make the process faster and easier. Merchants can bring the products directly to their customers and let them pay the way they want to pay, easily and securely. Card payments for home delivery, catering, and service calls are made simple. This puts the convenience back into POS without sacrificing security. Mobile SCRA devices in-store create line-busting service for busy seasons and enhance the customer experience by making every guest feel like they are part of the family with greet and check in stations. Non-profits can improve fund-raising events and donations at the door.

Increase Sales - Move Beyond Cash

Easier and faster acceptance makes for increased sales and increased customer referrals. Cards never leave the customer's sight, which also reduces wait times. Retailers can move beyond the register and offer simpler personal shopper experiences, faster table turnover rates, faster checkout, and pay at the table offerings. Secure electronic payments can help merchants lower their cost of accepting cards by as much as 30%.

Enterprising Solutions

Remote device authentication and management makes for easier upgrades while allowing on location payment. Consolidate your vendor payment platforms for a more consistent and professional experience. One payment type at your venue for a polished feel. Run your entire business from one device, with consolidated reporting, custom receipts (Virtual Terminal), account management system, and payment processing platform. White label customization is available.



No other card reader beats the protection offered by MagneSafe.

eDynamo (EMV and magstripe)

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.

Flash (memory with USB)

Flash is ideal for payments where cabled or wireless connections are not accessible, the Flash makes secure card transactions available to any retail application, regardless of where it is conducted. With the 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.



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



Flash
SCRA for USB
connection with memory



iDynamo
SCRA made for Apple
devices Lightning connector



tDynamo
Three-way
SCRA, EMV, NFC



uDynamo
SCRA with audio jack
connection for iOS and
Android devices

iDynamo (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.



tDynamo (USB connection) PRE-RELEASE

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.

uDynamo (audio jack and USB connection)

MagTek's uDynamo provides universal connection options for its users. The uDynamo secure card reader authenticator connects to a wide variety of devices through its retractable headphone jack. It also provides a USB interface for connection with various devices including Windows or Mac PCs, and is perfect for virtual terminals.

The uDynamo combines the latest technologies for reliable and secure mobile payments and identification. The uDynamo SCRA allows merchants to make secure transactions while on-the-go using mobile devices and connecting through their mobile headphone jack or USB connections. The secure card reader authenticator uses the MagneSafe™ Security Architecture to protect cardholder data through instant dynamic encryption, tokenization and authentication.

Specifications	eDynamo	Flash	iDynamo	tDynamo Pre-release	uDynamo
Payment methods					
Magstripe SCRA Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 6 ips to 60 ips	YES 6 ips to 60 ips	YES 4 ips to 60 ips	YES 4 ips to 60 ips	YES 4 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES	NA	NA	YES Terminal type 21 and 24	NA
EMV contactless EMVCo L1 and L2, EMV Level 1 /C-2/C-3/C-4 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA	NA	NA	YES	NA
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 D-PAS*, PayPass™, payWave®, ExpressPay®, Apple Pay®	NA	NA	NA	YES	NA
Reliability and Operation					
MSR / SCRA swipes	250K	1 Million	1 Million	200K	1 Million
EMV insertions	100K	NA	NA	100K	NA
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	Windows plug & play	iOS 6.0 or newer	Windows plug & play	Windows plug & play
CPU and memory	Non-volatile	Holds up to 71 transactions	Non-volatile	Cortex M3, 1 MB memory	Non-volatile
Status indicators	Wireless Status LED (Blue) Status LED (Red/Green/ Amber)	Status LED (Red/Green/ Amber)	NA	Wireless (Blue) Status LED (Red/Green/ Amber)	Status LED (Red/Green/ Amber)
Device Compatibility	Android, Windows, iOS	Windows	Made for iPad Air 2, iPad Air, iPad with Retina Display, iPad Mini 3, iPad Mini with Retina Display, iPad Mini, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, & iPod touch (5th gen)	Windows	Windows, Android, iOS
General					
Connection Method	Micro-USB B [HID]	USB	Lightning	USB Type C USB 2.0 com	Retractable Audio jack USB micro B
Wireless (Frequency 2.4 MHz)	Certain standard wireless	NA	NA	Certain standard wireless	NA
Interface	USB, Wireless	USB	iOS	USB Type C with high current USB 2.0 com, Wireless	USB Micro B, Audio jack
Display	NA	NA	NA	NA	NA
Secure Key Pad	NA	NA	NA	NA	NA
Optional Accessories	Retractable cable Optional docking station	Retractable cable	Retractable cable Stabilizers	Optional charging dock	NA
Web services	Magensa Services	Magensa Services	NA	Magensa Services	Magensa Services
Electrical					
Charging	Rechargeable Micro-USB charge Charging Time 3Hr	Rechargeable Micro-USB charge Charging Time 2.5Hrs	USB charging adapter (requires port with 2A @ 5V)	Rechargeable USB 2.0 charge Charging Time: 1.5Hr	Rechargeable Micro-USB charge
Battery	Li-ion Polymer 800 mAh & Coin cell backup	Li-ion Polymer 120 mAh	No Battery	Li-ion Polymer	Li-ion Polymer
Current and Power	Power via USB or Battery. USB: 5 VDC ~ 500mA Battery: 3.7 VDC > 100 mA	Power via USB or Battery. 100 mA max during charge 5 VDC for charging	Powered thru iOS device 50 mA current draw 2.85 to 3.47 VDC from device	Power via USB or Battery. USB: 5 VDC	Power via USB or Battery. 100 mA max
Security and Certifications					
Compliance (FCC, CE, UL)	YES	YES	YES	YES	YES
MagneSafe Security Architecture	YES	YES	YES	YES	YES
Tamper	Evident/Resistant	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)	3.49 x 0.90 x 1.17 in. (88.65 x 22.86 x 29.72 mm)	2.47 x 1.5 x 0.58 in. (62.7 x 38.1 x 14.7 mm)	3.94 x 3.15 x 0.61 in. (100 x 80 x 15.5 mm)	2.5 x 1.55 x 0.62 in. (63.5 x 39.4 x 15.7 mm)
Weight	2.2 oz. (60 g)	1.4 oz. (30 g)	w/o adapter 1.02 oz. (28.94 g)	4 oz. (133.4 g)	1.036 oz. (30 g)
Mount/Stabilizer	Optional docking station	NA	Device adapters	Optional charging dock	Stabilizer clip
Environmental					
Operating temp	2°F to 113°F (0°C to 45°C)	2°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%	10% to 90%	5% to 90%	10% to 90%	10% to 90%
Storage temp	14°F to 131°F (-10°C to 55°C)	-4°F to 140 °F (-10°C to 60°C)	-4°F to 113°F (-20°C to 45°C)	-4°F to 113°F (-20°C to 45°C)	14°F to 140°F (-10°C to 60°C)
Storage humidity non-condensing	5% to 90%	10% to 90%	5% to 90%	10% to 90%	10% to 90%