



Mobile Readers for Retail Secure Card Reader Authenticators



iDynamo 6
SCRA shown here.

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.

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, delivery, tent sales, high end and high dollar on-floor retail, and drive-thru service. Secure electronic payments can help merchants lower their cost of accepting cards by as much as 30%. Mobile merchants leverage the power of their mobile products without the worries of handling or storing sensitive card data at any time. Merchants bring multiple, low-cost, service terminals directly to their customers, increasing convenience and customer service. Customers' are impressed by the use of technology to simplify their purchase and improve service. Employees enjoy the sturdy swipe path and intuitive, user-friendly devices.

Reduce PCI Scope - 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 TLS connections for decryption, authentication, and processing. SCRA's can perform real-time counterfeit card detection and encrypt the card data within the reader.

Durable, Reliable, Easy Integration

Simple device connection and a reliable swipe path make training fast. 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.

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. 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 move beyond the register and offer simpler personal shopper experiences, faster table turnover rates, faster checkout, and pay at the table offerings.

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. 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 (USB or Bluetooth LE)

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.

iDynamo 5 (Gen II) (Lightning)

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.

Made for iPhone 14 Pro Max, iPhone 14 Pro, iPhone 14 Plus, iPhone 14, iPhone SE (3rd generation), iPhone 13 Pro Max, iPhone 13 Pro, iPhone 13, iPhone 13 mini, iPhone 12 Pro Max, iPhone 12 Pro, iPhone 12, iPhone 12 mini, iPhone 11 Pro Max, iPhone 11 Pro, iPhone 11, iPhone XS Max, iPhone XS, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, 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 Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad (6th generation), iPad (5th generation)



eDynamo
SCRA and EMV Contact Chip



iDynamo 5 (Gen II)
SCRA



iDynamo 6
SCRA, EMV, NFC



tDynamo (Gen II)
SCRA, EMV, NFC

iDynamo 6 (USB-C or Lightning)

iDynamo 6 delivers a smart solution for companies that need the most flexibility in the smallest form-factor at a great price. The versatile mounting bracket enhances mechanical stability with many types of deployment scenarios including desktop computers, mobile handsets, and tablets, regardless of size and form-factor. The universal mounting bracket uses a suction-cup-design that attaches to the host-device of your choice and provides for a stable swipe, dip, or tap experience. Contactless and NFC reading requires connection to and power from, a fully-powered USB-C port or must be attached to its re-chargeable battery pack. The battery pack gives users the reliability they need in mobile payment scenarios.

iDynamo 6 USB-C - Direct mount or cabled connection to Android hosts with USB C port and USB On-The-Go (OTG), to iOS hosts with USB C connector, and to Windows hosts with USB C connector.

iDynamo 6 Lightning - Made for iPhone 12 Pro Max, iPhone 12 Pro, iPhone 12, iPhone 12 mini, iPhone 11 Pro Max, iPhone 11 Pro, iPhone 11, iPhone XS Max, iPhone XS, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, 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 Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad (5th and 6th generation).

tDynamo (Gen II) (USB, Bluetooth LE)

Point-of-service and point-of-sale needs to be fast, reliable and secure. tDynamo (Gen II) 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. tDynamo (Gen II) is a simple way to take a wide variety of payment methods, in a small, versatile device. tDynamo (Gen II) is a three way (magnetic stripe, chip card, contactless) card reader. tDynamo (Gen II) allows you to slide quickly between a counter top or mobile platform, giving you flexibility through-out the day.

	iDynamo 5 (Gen II)	eDynamo	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 in/s to 60 in/s (15 cm/s to 152 cm/s)	YES 6 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	NA	YES	YES	YES
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA	NA	YES	YES
NFC contactless / mobile wallets ISO/IEC 14443 (Type A, Type B) C-6 EMV Contactless, Apple Pay®, D-PAS®, ExpressPay®, Google Pay, PayPass™ payWave®, Samsung Pay®	NA	NA	YES	YES and Apple VAS® compatible
Signature Capture (PIN PEDs only)	NA	NA	NA	NA
Reliability and Operation				
MSR / SCRA swipes	100K	250K	200K	100K
EMV insertions	NA	100K	200K	100K
Compatible Operating System	iOS See installation and operation manual for complete details	Android, iOS, Windows See installation and operation manual for complete details	Android, iOS, Windows See installation and operation manual for complete details	Android, iOS, Windows See installation and operation manual for complete details
CPU and memory	Non-volatile	Non-volatile	STM 32	Cortex M3, 1 MB memory
Status indicators	NA	Wireless Status LED (Blue) Status LED (Red/Green/Amber)	1 LED	Wireless (Blue) Status LED (Red/Green/Amber)
Device Compatibility	Made for iOS Lightning connector devices.	Select models Android, iOS, and/or Windows	Select models Android, iOS, and/or Windows	Select models Android, iOS, and/or Windows
General				
Connection Method	Lightning	Bluetooth LE Micro-USB B [HID]	Lightning USB-C	USB-C USB 2.0 com
Wireless (Frequency 2.4 MHz)	NA	Bluetooth LE	NA	Bluetooth LE
Interface	USB-C for pass-thru charging	USB, Bluetooth LE	USB, Lightning	USB Type C with high current USB 2.0 com, Bluetooth LE
Display	NA	NA	NA	NA
Secure Key Pad	NA	NA	NA	NA
Optional Accessories	Cable and adapter stabilizers	Retractable cable, Optional case	Mounting bracket	Optional charging dock
Electrical				
Charging	USB C connector	Rechargeable Micro-USB charge Charging Time 3Hr	USB 2.0 Type C Apple adapter	Rechargeable USB 2.0 charge Charging Time: 1.5Hr
Battery	No Battery	Li-ion Polymer See installation and operation manual for complete details	Li-Po See installation and operation manual for complete details	Li-ion Polymer See installation and operation manual for complete details
Current and Power	2.85 to 3.47 VDC from the attached iOS host 5 VDC on USB power	Power via USB or Battery. USB: 5 VDC ~ 500mA Battery: 3.7 VDC > 100 mA	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-chargeable 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	2.47 x 1.5 x 0.58 in. (62.7 x 38.1 x 14.7 mm)	2.45 x 1.52 x 0.97 in. (62.2 x 38.7 x 24.7 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 in. x 3.25 in. x 0.61 in. (100 mm x 82.5 mm x 15.5 mm)
Weight	w/o adapter 1.02 oz. (28.94 g)	2.2 oz. (60 g)	iDynamo 6: 0.90 oz. (25.4g) Battery pack: 1.68 oz. (47.6g)	Handheld: 3 oz (82 g) With docking stand: 10 oz (285 g)
Mount/Stabilizer	Device adapters	Optional docking station	Optional Multi-Device Adapter	Optional charging dock
Environmental				
Operating temp	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)	32°F to 113°F (0°C to 45°C)
Operating and storage humidity non-condensing	5% to 90%	5% to 90%	5% to 90%	10% to 90%
Storage temp	-4°F to 113°F (-20°C to 45°C)	14°F to 140°F (-10°C to 60°C)	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)