



eDynamo

Secure card reader authenticator with EMV and BLE

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.

Ideal for merchants and financial institutions, eDynamo offers the MagneSafe™ Security Architecture with the convenience of a Bluetooth interface. This powerful combination assures card data protection, transaction security and convenience needed to secure mobile applications with strong encryption and proven card authentication.



eDynamo
Secure card reader authenticator for magstripe and EMV cards with Bluetooth Smart (BLE) and USB connection



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

Specifications

Freedom of Placement.

eDynamo can be used as a mobile or countertop payment device, allowing the cardholder or operator to swipe or insert the card. The rechargeable battery gives users the freedom they need to operate eDynamo as a wireless device while taking payments on the go, or to utilize its wired USB interface and power to operate while connected to a PC or tablet-based POS system where a USB Host and power are available.

Simple Installation and Integration.

eDynamo offers versatile mounting options. It can be mounted or hand held and offers an optional docking station to extend the swipe path. It requires no wire management and/or hole drilling.

MagTek offers a suite of Software Developer Kits (SDKs) for iOS mobile, Android and Windows operating systems. eDynamo communicates via USB HID or Bluetooth BLE (GATT). Take the device out of Airplane Mode and configure the desired I/O option. As a USB HID device, eDynamo is backward compatible with other MagneSafe V5 devices like Dynamag. As a BLE device, eDynamo is backward compatible with DynaPro Mini.

Swipe Once. Swipe Right.

eDynamo is ergonomically designed for max FTRR (first time read rate), using well defined head pressure, well defined slot width and an attractive rubberized finish.

Secure your Investment.

eDynamo combines a MagneSafe secure card reader authenticator (SCRA) with a contact EMV card reader, so users can accept both magnetic stripe and EMV transactions with a single, affordable device. Combining MagnePrint and EMV technologies, users can be assured of maximum card data and transaction security.

Features:

- EMV L1 and L2 (contact only)
- Rechargeable battery with 5-year life via industry standard USB cables
- General Status LED (Red/green/amber)
- Bluetooth Status LED (Blue)
- Built-in lanyard attachment
- Open standards-based encryption 3DES (TDEA)
- DUKPT key management
- MagnePrint® card authentication
- Unique non-changeable device serial number
- Immediate card data tokenization
- Device/host authentication
- Time bound session IDs
- Ergonomic design simplifies card swiping
- No cable to interfere with reader grip
- Over 1000 card swipes between charges

SECURE CARD READER AUTHENTICATOR (SCRA)

Magstripe: 3 Track Read Data
 Identification Cards Financial Transaction Cards (ISO 7813); AAMVA; Identification Cards Integrated Circuits with Contacts (ISO 7816);
 EMV ICC Specifications for Payment Systems Ver 4.3, L1 Contact and L2 Contact Encryption:
 TDEA (3DES)-CBC using DUKPT;
 IPC-A-610 Class II Assembly;
 Ingress Protection: IP-30 per ANSI/IEC 60529-2004;
 FCC Title 47 Part 15 Class B;
 CE Level B EMC; CE Safety;
 UR/CUR UL Recognized;
 California Proposition 65 (California);
 EU Directive Waste Electrical and Electronic Equipment (WEEE); EU Directive Restriction of Hazardous Substances (RoHS);
 Universal Serial Bus Specification 2.0
 TQM Label Certified

Status Indicators	Bluetooth Status LED (Blue) General Status LED (Red/Green/Amber)
Power Sources	USB powered via Micro-USB B jack On-board rechargeable battery
Full-charge	3 hours to recharge depleted battery

TESTED OPERATING SYSTEMS

USB	Windows 7/8.1/10
BLE	iOS 7.1+, Android 4.4.2+, Windows 8.1, Windows 10 on hosts with Bluetooth 4.0 hardware

MECHANICAL

Dimensions	2.45 in. x 1.52 in. x 0.97 in. (62.2 mm x 38.7 mm x 24.7 mm)
------------	---

CONNECTION TYPES

Wired	Micro-USB B, configured to appear as HID
Wireless	Bluetooth Low Energy (BLE), configured to appear as GATT device
Wireless Range	Min 33 ft. (10 m)

Optional Docking Station (shown here)
 Part Number: 21079809

