



*Features subject to change without notice



iDynamo 6

Secure Card Reader Authenticator

Cafés and restaurants, boutiques and large retailers will benefit from iDynamo 6, the next generation of MagTek secure card readers. iDynamo 6 is an secure reader 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 handheld solutions. The removable battery pack gives the flexibility to accept two or three methods of payment in one compact reader, and to function as a battery-free device if handheld contactless payments are not required.

The versatile mounting bracket included with the device can be used to enhance mechanical stability with many types of host, 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.

Key Features

Payment Methods

Secure card reader authenticator for:

- Magstripe cards
- EMV chip cards

Optionally:

- EMV contactless cards
- NFC capable devices

General

- Different models make several host connection types available, including Lightning plug, USB-C plug or receptacle, and Micro-USB B plug.
- Made for iPad, iPhone

Security

- Triple DES encryption and DUKPT key management
- Magensa keys come standard
- Custom keys are available
- Dynamic encryption, tokenization, and authentication

MagneSafe® Security Architecture

- Protects card data for easy PCI DSS compliance
- MagnePrint® card authentication
- Device/host authentication
- Unique, non-changeable serial number
- Time bound session IDs

Stable Performance

iDynamo 6's universal mounting bracket uses a suction cup design that attaches to the host of your choice to provide a stable swipe, dip or tap experience.



Compatible with Multiple Operating Systems

iDynamo 6 is very flexible. It works with a many host platforms including Android, Windows & iOS devices with Lightning or USB connectors.

iDynamo 6 has four separate connector configurations to select from:

- Lightning plug and USB C receptacle
- USB C plug and USB C receptacle
- Micro-USB B plug and USB C receptacle
- USB C receptacle only



Call a representative to learn more: +44 (0)1793 780773

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The Power of Flexibility

iDynamo 6 is a mobile device. The base model does not need an internal battery, which makes it perfect for in-flight airline use. When the rechargeable battery pack is attached, the device's LED shows the battery charge level: green signals fully charged; amber warns charging is needed soon; and red indicates a charge is required before a contactless transaction can occur. The optional EMV contactless battery pack does not interfere with pass through charging of the host device.

iDynamo 6 is made for on-the-go transactions, but can easily be built into other holsters and cases for a custom solution. iDynamo 6 is made from molded black plastic with a rubberized coating to keep the durability up and fingerprints down. Custom colors are available with a minimum order size.

MagneSafe Security Architecture

iDynamo 6 adheres to MagTek's MagneSafe Security Architecture based on dynamic encryption, authentication, and tokenization, which protects cardholder data from the moment of swipe, dip, or tap. It reads cards, wearables, and mobile wallets.

Magensa Services

Couple iDynamo 6 with Magensa Services to make your certification cycle easier, and remove unencrypted data from your environment.

A service representative will work with you to determine whether Magensa Decrypt, Magensa Decrypt and Forward, or the Magensa Payment Protection Gateway is best for you.

As always, MagTek's developer tools including our royalty-free software developer kits with APIs are readily available 365/24/7 on our web site.

For faster development, you can use our MagneFlex browser and middleware. Your code can be written once and deployed on multiple operating systems. The data is unpacked, parsed, and sent to its destination faster and easier.

Made for 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).

PRE-RELEASE Specifications subject to change without notice.

Payment methods	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read; ISO 7811	YES 4 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B) PayWave, PayPass, ExpressWay, D-PAS	YES Optional battery pack is required for mobile operation
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A/B) and Mifare, FeliCa, RFID capability	YES Optional battery pack is required for mobile operation
ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	
MSR / SCRA swipes	200K
EMV insertions	200K
Compatible Operating System	iOS 9.0+ Any OS that supports USB HID 2.0+
CPU and memory	STM 32
Status indicators	1 LED
Apple Device Compatibility	iDynamo 6 is Made for iPad and iPhone
General	
Connection Method	Lightning, USB Type C, micro USB (female & male)
Web services	YES
Electrical	
Charging	USB 2.0 Type C Apple adapter
Battery Pack for EMV contactless option	Li-Po 400mAh Charging Time 2-3 Hrs. Recommended charging at least every 6 months to maximize operation.
Current and Power	Power through iOS or USB. EMV Contactless requires battery pack in mobile operations
Security and Certifications	
Compliance (FCC, CE, UL)	YES
MagneSafe Security Architecture	YES
Tamper	Evident/Resistant
Mechanical	
Dimensions L x W x H or L x W x D	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)
Weight	iDynamo 6: 0.90 oz. (25.4g) Battery pack: 1.68 oz. (47.6g)
Mount/Stabilizer	Optional Multi-Device Adapter
Environmental	
Operating temp	32°F to 113°F (0°C to 45°C)
Operating humidity non-condensing	5% to 90%
Storage temp	32°F to 113°F (0°C to 45°C)
Storage humidity non-condensing	5% to 90%