

**MAGTEK**<sup>®</sup>  
SECURITY FROM THE INSIDE



## iDynamo for Retail

### Secure Card Reader Authenticator



iDynamo 5  
(Lightning connection)  
Adapter kits available for better stability.  
Made for  
iPhone 5/5s, iPhone 6, iPhone 6 Plus,  
iPhone 6S, iPhone 7, iPhone 8, iPhone  
6S+, iPhone 7+

iPad Air 2, iPad Pro 9.7", iPad Air, iPad  
mini 3, iPad mini with Retina display; iPad  
with Retina Display

From the company that leads with "Security from the Inside" MagTek has done it again with the iDynamo, a secure card reader authenticator (SCRA) designed to work with all supported iOS devices. The iDynamo offers MagneSafe™ security and delivers open standards encryption with simple, yet proven DUKPT key management, immediate tokenization of card data and MagnePrint® card authentication to maximize data protection and prevent the use of counterfeit cards.

### Enhanced User Experience

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.

### Easy Integration and Implementation

MagTek provides SDKs and APIs for easier development and integration to reduce time to market.



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



## Stability and reliability

The iDynamo is rugged and affordable, so it not only withstands real world use, it performs to the high standards set by MagTek, the world's most prolific supplier of secure payment technology for over 40 years. The stabilizing adapters secure the reader to your device for a more reliable and stable one-swipe read.

### iDynamo 5



## Security

Ideal for merchants and mobile users, the iDynamo offers MagneSafe security features combined with the power of iPad, iPhone and iPod touch products with 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.

No other card reader beats the protection offered by a MagneSafe product.

Other devices claim to encrypt data in the reader. The iDynamo encrypts the data inside the read head, closest to the magnetic stripe and offers additional security layers with immediate tokenization of card data and MagnePrint card authentication. This layered approach to security far exceeds the protection of encryption by itself, decreases the scope of PCI compliance, and reduces fraud.

Made for



Contact us: 888-287-4186  
Learn more: blmtechnology.com



Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, checks, PINs and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Its products include secure card reader/authenticators, token generators, EMV contact, contactless and NFC reading devices, encrypting check scanners, PIN pads and distributed credential personalization systems for secure magstripe and EMV enabled cards. These products are used worldwide by financial institutions, retailers, and processors to provide secure and efficient payment and identification transactions. Today, MagTek continues to innovate. Its MagneSafe™ Security Architecture leverages strong encryption, secure tokenization, dynamic card authentication, and device/host validation enabling users to assess the trustworthiness of credentials and terminals used for online identification, payment processing, and high-value electronic transactions.

Specifications	iDynamo
<b>Payment methods</b>	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 4 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	NA
EMV contactless EMVCo L1 and L2, EMV Level 1 /C-2/C-3/C-4/C-5 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443   (Type A, Type B) C-1/ C-6/C-7 D-PAS*, PayPass™, payWave®, ExpressPay®, Apple Pay®	NA
<b>Reliability and Operation</b>	
MSR / SCRA swipes	1 Million
EMV insertions	NA
Operating System	iOS 6.0 or newer
CPU and memory	Non-volatile
Status indicators	NA
Device Compatibility	Made for iPhone 5/5s, iPhone 6, iPhone 6 Plus, iPhone 6S, iPhone 7, iPhone 8, iPhone 8S+, iPhone 7+ ; iPad Air 2, iPad Pro 9.7"; iPad Air, iPad mini 3, iPad mini with Retina display; iPad with Retina Display
<b>General</b>	
Connection Method	Lightning
Wireless (Frequency 2.4 MHz)	NA
Interface	iOS
Display	NA
Secure Key Pad	NA
Optional Accessories	Retractable cable Stabilizers
Web services	NA
<b>Electrical</b>	
Charging	USB charging adapter (requires port with 2A @ 5V)
Battery	No Battery
Current and Power	Powered thru iOS device 50 mA current draw 2.85 to 3.47 VDC from device
<b>Security and Certifications</b>	
Compliance (FCC, CE, UL)	YES
Data protection 3DES encryption; DUKPT key management MagneSafe Security Architecture Unique, non-changeable device serial number	YES
Tamper	Evident/Resistant
<b>Mechanical</b>	
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)
Weight	w/o adapter 1.02 oz. (28.94 g)
Mount/Stabilizer	Device adapters
<b>Environmental</b>	
Operating temp	32°F to 95°F (0°C to 35°C)
Operating humidity non-condensing	5% to 90%
Storage temp	-4°F to 113°F (-20°C to 45°C)
Storage humidity non-condensing	5% to 90%