

# MAGTEK®

SECURITY FROM THE INSIDE



## cDynamo

### Secure Multimedia Device for iPad

cDynamo makes mobile payments and card reading easier than ever. The form fitted enclosure is perfect for high traffic merchants, in-flight sales, line-busting, and pay-at-the-table service. cDynamo delivers an integrated secure card reader authenticator for magstripe cards with a long smooth swipe path for excellent first swipe read rates.

### Designed for real-world use

cDynamo is rugged, affordable, and designed to perform to the high standards set by MagTek, one of the world's most prolific suppliers of secure payment technologies for over 40 years. The swipe path is optimized for a more reliable and stable one-swipe read.

### Flexible integration options

Control, status and data functions are provided by the host interface. The system requires software on the host device to direct the operation of the card reader through the application programming interface (API). MagTek provides SDKs and APIs for easy development and integration to reduce time to market.

cDynamo features a 100mm VESA (Video Electronics Standards Association) mounting pattern that provides fixed mounting for greater security and convenience. This allows users to deploy cDynamo in a variety of off the shelf semi-mobile or permanent mounts eliminating the need for expensive customization.

### cDynamo

#### Payment Methods

- Secure card reader authenticator for magstripe, bidirectional, 3 track magstripe card reader ANSI/ISO/AAMVA ISO 7810/7811

#### General

- Connects through Lightning connector
- Made for iPad Air, iPad Air, iPad mini 2, iPad mini 3
- iOS operating system
- Drop-in replacement with iDynamo

#### 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 per PCI DSS requirements
- MagnePrint® card authentication
- Device/host authentication
- Unique, non-changeable serial number
- Time bound session IDs

Apple device not included.

### Concept to Distribution





## MagneSafe Security Architecture

cDynamo delivers the MagneSafe Security Architecture (MSA) combined with the power of iOS tablets (with Lightning interface). The MSA delivers open standards encryption with simple, yet proven derived unique key per transaction (DUKPT) key management, immediate tokenization of card data, and MagnePrint card authentication to maximize data protection and prevent the use of counterfeit cards. Mobile merchants can leverage the power of their iOS tablets without the worries of handling or storing sensitive card data at any time. Ideal for any size merchant, this powerful combination assures convenience and cost savings while ensuring transaction security from the moment the card is swiped all the way to authorization.

Other devices claim to encrypt data in the reader. cDynamo encrypts the data inside the reader 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.

- Protects card data per PCI DSS requirements
- MagnePrint card authentication
- Generates dynamic payment card data with each swipe
- Device/host authentication
- Unique, non-changeable serial number
- Time bound session IDs
- Triple DES open standards-based encryption
- DUKPT key management
- Immediate card data tokenization and masked data



## Product Compatibility

cDynamo

VESA Mount pn 21087005

Made for iPad Air, iPad Air 2, iPad (iPad "Flat-out Fun")

Mobile hand-held pn 21087006

Made for iPad mini 3, iPad mini 2

Specifications	cDynamo
<b>Payment methods</b>	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 6 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	NA
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	NA
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 D-PAS*, PayPass™, payWave®, ExpressPay®, Apple Pay®	NA
<b>Reliability and Operation</b>	
MSR / SCRA swipes	100K
EMV insertions	NA
Operating System	iOS 6.0.0 or newer
CPU and memory	Non-volatile
Status indicators	NA
Device Compatibility	Made for iPad Air, iPad Air 2 iPad mini 2, iPad mini 3
<b>General</b>	
Connection Method	Lightning Certain standard wireless
Wireless (Frequency 2.4 MHz)	Certain standard wireless WiFi Approved
Interface	iOS, Wireless iPad must not be in sleep mode.
Display	NA
Secure Key Pad	NA
Optional Accessories	NA
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 max draw 2.85 to 3.47 VDC from device
<b>Security and Certifications</b>	
Compliance (FCC, CE, UL)	YES
MagneSafe Security Architecture	YES
Tamper	Evident/Resistant
<b>Mechanical</b>	
Dimensions L x W x H or L x W x D	Mini 9.6 x 5.3 x 0.47 in. (285 x 173 x 12 mm)  Air and iPad "Flat-out Fun" 11.2 x 6.8 x 0.47 in. (244 x 139 x 12 mm)
Weight	Mini 5.0 oz. (141.75 g) Air 7.0 oz. (198.445 g)
Mount/Stabilizer	VESA Mount = MIS-D, 4-point 4 x 4 in. (100 x 100 mm)
<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%

