



## kDynamo for Banking

### Secure Multi-media Ready Device for iPad

kDynamo is a secure multi-media ready device that forms a perfect surround for select iPad models. This allows financial institutions to roam freely in-branch and enhance their branch automation performance. kDynamo accepts magnetic stripe, EMV contact and contactless, and NFC contactless transactions, giving you one of the most versatile devices that delivers the security financial institutions require.

#### kDynamo

##### Payment Methods

- Secure card reader authenticator for magstripe, Bidirectional, 3 track magstripe card reader ANSI/ISO/AAMVA ISO 7810/7811
- EMV chip card reader
- NFC contactless reader

##### General

- Connects through Lightning connector
- Made for iPad (4th, 5th, and 6th generation), iPad Pro 9.7-inch, iPad Air, iPad Air 2, iPad mini 4, iPad mini 3, iPad mini 2

##### 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.

#### Rugged and reliable

kDynamo is rugged, affordable, and designed to perform to the high standards set by MagTek. The swipe path is optimized for a more reliable and stable one-swipe read; the insertion card slot for contact EMV cards is easy to access; and the contactless/NFC antenna is positioned to make contactless reading simple, reliable, and user friendly.

#### All in one device

One of the biggest advantages of kDynamo is that it is a full system that fits easily in the palm of your customer relationship manager's hands. We have a large network of partners who have already created customized hand grips, mounted stands, and versatile attachments to give you the solution you need. kDynamo features a 100mm VESA (Video Electronics Standards Association) mounting pattern that provides fixed mounting for greater security and convenience. This allows users to deploy kDynamo in a variety of off the shelf semi-mobile or permanent mounts eliminating the need for expensive customization. Leverage iPad Air and iPad mini devices with an all inclusive surround and you have a terminal ready for an enhance bank-of-the-future use, which will enhance your consumer experience.

#### Follows your lead

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.



## MagneSafe Security Architecture

kDynamo uses 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. This layered approach to security far exceeds the protection of encryption by itself, decreases the scope of PCI compliance, and reduces fraud.

- 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

Ask a representative for more information about MagTek's Magensa Services for data protection and transaction services, gateway services, tokenization services, and applications.

## Product Compatibility:

kDynamo Part numbers

PN 21097101 for VESA Mount

Made for iPad (4th, 5th, and 6th generation), iPad Pro 9.7-inch, iPad Air, and iPad Air 2

PN 21097102 for mobile hand held

Made for iPad mini 4

PN 21097103 for mobile hand-held

Made for iPad mini 3, iPad mini 2



| Specifications  | kDynamo   |
|---|---|
| <b>Payment methods</b>  |   |
| Magstripe secure card reader authenticator<br>Triple Track (TK1/2/3); Bidirectional read<br>ISO 7810, 7811; AAMVA driver licenses   | YES<br>4 ips to 60 ips  |
| EMV chip contact<br>EMVCo L1 and L2 ISO/IEC 7816  | YES   |
| EMV contactless<br>EMVCo L1 and L2, EMV Level 1<br>ISO/IEC 18092, ISO/IEC 14443 (Type A/B)  | YES   |
| NFC contactless / mobile wallets<br>ISO/IEC 18092, ISO/IEC 14443<br>D-PAS <sup>®</sup> , PayPass <sup>™</sup> , payWave <sup>®</sup> , ExpressPay <sup>®</sup> , Apple Pay <sup>®</sup> | YES   |
| <b>Reliability and Operation</b>  |   |
| MSR / SCRA swipes   | 100K  |
| EMV insertions  | 100K  |
| Compatible Operating System   | iOS 7.1+  |
| CPU and memory  | Non-volatile  |
| Status indicators   | NA  |
| Device Compatibility  | Made for<br>iPad Pro 9.7-inch,<br>iPad Air, iPad Air 2,<br>iPad mini (2, 3, and 4)<br>customization available |
| <b>General</b>  |   |
| Connection Method   | Lightning<br>USB Type C   |
| Wireless<br>(Frequency 2.4 MHz)   | NA  |
| Interface   | iOS   |
| Display   | NA  |
| Secure Key Pad  | NA  |
| Optional Accessories  | none  |
| Web services  | NA  |
| <b>Electrical</b>   |   |
| Charging  | Rechargeable<br>USB 2.0 Type C<br>charging adapter  |
| Battery   | Li-Po 750 mAh   |
| Current and Power   | Power through iOS and<br>battery  |
| <b>Security and Certifications</b>  |   |
| Compliance (FCC, CE, UL)  | YES   |
| MagneSafe Security Architecture   | YES   |
| Tamper  | Evident/Resistant   |
| <b>Mechanical</b>   |   |
| Dimensions<br>L x W x H or L x W x D  | Mini 10.24x5.47x0.53in.<br>(260.1x139.0x13.4 mm)<br>Air 11.68x6.83x0.72 in<br>(296.7x173.4x18.4 mm)           |
| Weight  | Mini (2 and 3): 6.5 oz<br>(183.2g)<br>Mini (4): 7.0 oz. (200.0g)<br>Air: 8.0 oz. (225.4g)                     |
| Mount/Stabilizer  | VESA Mount<br>in certain models   |
| <b>Environmental</b>  |   |
| Operating and storage temp  | 32°F to 113°F (0°C to 45°C)   |
| Operating and storage humidity non-condensing   | 5% to 90%   |