



kDynamo

Secure Multi-media Ready Device for iPad

kDynamo makes mobile payments and card reading easier than ever and adds EMV contactless/NFC and contact EMV chip card reading capabilities while maintaining its small footprint.

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 (2, 3, 4, 5)

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

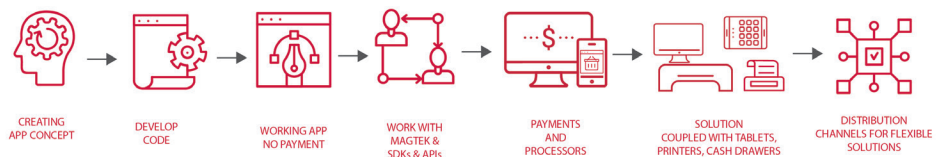
kDynamo is rugged, affordable and designed to perform to the high standards set by MagTek, the world's most prolific supplier of secure payment technology for over 40 years. The swipe path is optimized for a more reliable and stable one-swipe read; the insertion card slot for contact EMV cards is easy to access; and the contactless/NFC antenna is positioned to make contactless reading simple and reliable.

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.

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.

Concept to Distribution





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. 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. kDynamo encrypts the data inside 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. Ask a representative for more information about MagTek and Magensa's data protection and transaction services.

- 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:

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 and 5)

PN 21097103 for mobile hand-held
 Made for iPad mini 3, iPad mini 2

Specifications	kDynamo
Payment methods	
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	YES
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	YES
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 D-PAS*, PayPass™, payWave®, ExpressPay®, Apple Pay®	YES
Reliability and Operation	
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 iPad Pro 9.7-inch, iPad Air, iPad Air 2, iPad mini (2, 3, 4, 5) customization available
General	
Connection Method	Lightning USB Type C
Wireless (Frequency 2.4 MHz)	NA
Interface	iOS
Display	NA
Secure Key Pad	NA
Optional Accessories	none
Web services	NA
Electrical	
Charging	Rechargeable USB 2.0 Type C charging adapter
Battery	Li-Po 750 mAh
Current and Power	Power through iOS and battery
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	Mini 10.24x5.47x0.53in. (260.1x139.0x13.4 mm) Air 11.68x6.83x0.72 in. (296.7x173.4x18.4 mm)
Weight	Mini (2 and 3): 6.5 oz (183.2g) Mini (4): 7.0 oz (200.0g) Air: 8.0 oz (225.4g)
Mount/Stabilizer	VESA Mount in certain models
Environmental	
Operating and storage temp	32°F to 113°F (0°C to 45°C)
Operating and storage humidity non-condensing	5% to 90%



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, innovating 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.