

MAGTEK®
SECURITY FROM THE INSIDE

mobile
payments

cDynamo

Secure Card Reader Authenticator

The cDynamo makes mobile payments easier than ever. It delivers a form fitted enclosure case with integrated secure card reader authenticator (SCRA) for iPad Mini, iPad Air and iPad Air 2 to keep them safe, while enabling merchants to accept mobile payments.

cDynamo offers 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 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 small to mid-size merchants, this powerful combination assures convenience and cost savings while ensuring transaction security from the moment the card is swiped all the way to authorization.



cDynamo SCRA

Call a representative to learn more
562-546-6400

secure devices

Other devices claim to encrypt data in the reader. The cDynamo 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.

The cDynamo is rugged and affordable to withstand real world use and performs 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 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 the cDynamo in a variety of off the shelf semi-mobile or permanent mounts eliminating the need for expensive customization.

Charging the cDynamo and connected iPad is easy with the cDynamo's built-in, pass-through, micro-USB port that accommodates Apple certified USB cables and power bricks.

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

Product Compatibility

cDynamo Air 2 PN 21087007:	iPad Air 2, 6th gen
cDynamo Air PN 21087005:	iPad Air
cDynamo Mini PN 21087006:	iPad mini 3, iPad mini 2, iPad mini



Specifications

SECURE CARD READER AUTHENTICATOR (SCRA)

Three (3) tracks, bi-directional read
ISO 7810/7811, ANSI/ISO/AAMVA and custom formats
Card Speed: 6 to 60 ips (15 to 152 cm/s)
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

MESSAGE FORMAT

ASCII

INTERFACE CONNECTOR

Lightning connection only

OPERATING SYSTEM

iOS 6 or newer

CONTROLS

The cDynamo has no user controls. 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).

MOUNTING

VESA Mount = MIS-D 4" x 4" (100mm x 100mm)
Qty 4 - M4 screw threads

MECHANICAL

iPad mini
W 5.47 x L 9.71 x D 0.72 (inch)
WT: 1.5lb with iPad mini

iPad Air/2
W 6.85 x L 11.28 x D 0.72 (inch)
WT: 1.5lb with iPad Air/2

VOLTAGE/POWER/CHARGING

Current: 50mA max. 100% of its power IS from the iOS tablet. There is no power switch and no batteries are required. A Micro-USB is for charging the tablet only and cannot be used as an interface.

MF1 APPROVED DEVICE

ENVIRONMENTAL

TEMPERATURE
Operating: 0 °C to 35 °C (32 °F to 95 °F)
Storage: -20 °C to 45 °C (-4 °F to 113 °F)

HUMIDITY
Operating: 5% to 90% noncondensing
Storage: 5% to 90% noncondensing

ALTITUDE
Operating: 3000m (10,000 ft)