MAGTEK®
SECURITY FROM THE INSIDE

mobile payments

cDynamo & cDynamo Plus

Secure Card Reader Authenticators for iPad

cDynamo
SCRA Only

cDynamo Plus
SCRA, EMV Contact/Contactless/NFC/Apple Pay

cDynamo makes mobile payments and card reading easier than ever. It delivers a form fitted enclosure case with integrated secure card reader authenticator (SCRA) for iPad mini 3, iPad mini 2, iPad mini, iPad Air 2 and iPad Air to keep them safe, while enabling merchants to accept mobile payments for magnetic stripe cards. cDynamo Plus adds EMV contactless/NFC and contact EMV chip card reading capabilities while maintaining its small footprint.

Both models offer the MagneSafeTM 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.

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

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Other devices claim to encrypt data in the reader. The cDynamo and cDynamo Plus encrypt the data inside the read head, closest to the magnetic stripe and offer 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.

Both models are 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 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.

The cDynamo and cDynamo Plus have 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).

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

Charging the connected iPad is easy with a 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
PN 21087005: iPad Air
PN 21087006: iPad mini 3, iPad mini 2, iPad mini
PN 21087007: iPad Air 2, 6th gen

cDynamo Plus: PNs to come

Made for iPad

Specifications

Secure Card Reader Authenticators (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

	cDynamo	cDynamo Plus
SCRA	3 track	3 track ISO/IEC 7811
Contact EMV Reader	NA	ISO/IEC 7816
Contactless/ NFC Reader	NA	ISO/IEC 18092, ISO/IEC 14443 (Type A, Type B)
EMVco	NA	Level 1 / Level 2 Contact Level 1 /C-2/C-3/C-4/C-5 (Contactless), C-1/ C-6/C-7 PayWave, PayPass, ExpressWay
Connection	Lightning	Lightning USB 2.0: charging USB Type C
Operating System	iOS 6 or newer	
ELECTRICAL		
Current	50mA max. 100% from iOS tablet.	Li-Po 750mAH Operation Time 8Hr
Power	No power switch. Draws power from iOS tablet.	Power switch. Draws power from iOS tablet and internal battery.
Charging	Via micro-USB port (charge only, no sync)	
MFi	Approved	
MECHANICAL		
Mounting	VESA Mount = MIS-D 4" x 4" (100mm x 100mm) Qty 4 - M4 screw threads	
Strap	NA	iPad Mini model offers optional hand strap
DIMENSIONS		
iPad mini 3 iPad mini 2 iPad mini	W 5.47x L 9.71 x D 0.72in W139 x L 246.6x18.3mm WT: 1.2lb with iPad mini	W 5.5 x L 9.9 x D 0.5in W 140 x L 252 x D 12.5mm WT: 1.2lb with iPad mini
iPad Air 2 iPad Air	W 6.85 x L 11.28 x D 0.72in W174xL286.5xD18.3mm WT: 1.5lb with iPad Air/2	W 6.8 x L 11.5 x D 0.5in W 173 x L 292x D 12.5mm 1.5lb with iPad Air
ENVIRONMENTAL		
Operating		
Temp	0 °C to 35 °C (32 °F to 95 °F)	
Humidity	5% to 90% noncondensing	
Altitude	3000m (10,000 ft)	
Storage		
Temp	-20 °C to 45 °C (-4 °F to 113 °F)	
Humidity	5% to 90% noncondensing	
Altitude	3000m (10,000 ft)	

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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.