

MAGTEK[®]
SECURITY FROM THE INSIDE



iDynamo 5 (Gen II) Key Features

Secure card reader authenticator

- Bi-directional magstripe card reading

Compatible Operating System and Connections

- iOS Lightning connection
- USB port allows the iOS host to charge

MagneSafe[®] Security Architecture

- Triple DEA encryption
- DUKPT key management
- Tokenization
- Authentication



MagTek iDynamo 5 (Gen II)
part number 21087013

iDynamo 5 (Gen II) Secure Card Reader Authenticator

Ideal for retailers, airlines, hospitality, healthcare, and mobile merchants, iDynamo 5 (Gen II) delivers the power of the MagneSafe Security Architecture with a bi-directional mobile magnetic stripe card reader. It is the perfect solution for deliveries, curbside pickup, pay-at-the-table, and so much more. Made to connect to iPad and iPhone devices via the Lightning connection, iDynamo 5 (Gen II) enables a secure mobile payment experience with triple DES encryption inside the secure card reader authenticator.

Versatile Installation

iDynamo 5 (Gen II) has also been integrated into a variety of partner payment solutions including indoor self-service kiosks, handheld rugged tablets, and quick and simple mobile device connection. iDynamo 5 (Gen II) comes standard with select adapters to create a stronger connection to a variety of iPhone and iPad devices and has an optional OtterBox uniVERSE clip.



MagTek uniVERSE Clip
part number 21087015
(Phone and SCRA not included.
Simulated clip. Actual clip will vary.)



CALL A REPRESENTATIVE TO LEARN MORE
562-546-6400



OtterBox UniVERSE Clip

In partnership with Otterbox®, a privately-owned consumer electronics accessory company that produces water-resistant, shock-resistant, and drop-resistant cases for mobile devices, MagTek has engineered the iDynamo 5 (Gen II) uniVERSE Clip. The MagTek uniVERSE Clip is made to take advantage of OtterBox cases using the uniVERSE Clip, making it easier to slide into place as a swappable module.

Stability and Reliability

iDynamo 5 (Gen II) is rugged and affordable, so it not only withstands real-world use, but also performs to the high standards set by MagTek, the world’s most prolific supplier of secure payment and secure data technology for over 50 years.

Easy Integration and Implementation

MagTek provides free SDKs and APIs for easier integration and reduced time to market. Or use our MagneFlex Browser with the SDKs “baked-into” the browser for faster application development.

Magensa Gateway Compatibility

When combined with MagTek’s Magensa web services including Gateway, Tokenization, and Remote solutions, development time is faster, security is enhanced, and flexibility is expanded. And you are connected to leading US processors.

MagneSafe Proven Security

iDynamo 5 (Gen II) models employ the MagneSafe Security Architecture which delivers strong encryption, secure tokenization, tamper recognition, data relevance and integrity, and dynamic digital transaction signatures, which together validate and protect the transaction. Data is encrypted inside the reader with immediate tokenization of card data securing data even before it goes into the application. This layered approach to security far exceeds the protection of encryption by itself, decreases the scope of PCI compliance, and reduces fraud.

Specifications	
Payment methods	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 6 in./s to 60 in./s (15 cm/s to 152 cm/s)
EMV chip contact	NA
EMV contactless	NA
NFC contactless / mobile wallets	NA
Reliability and Operation	
MSR / SCRA swipes	100K
EMV insertions	NA
Tested Compatible Operating System	iDynamo 5 (Gen II): iOS 8 and above
CPU and memory	Non-volatile
Status indicators	NA
Device Compatibility	iDynamo 5 (Gen II) works with iOS Lightning connector devices.
General	
Connection Method	Lightning
Wireless (Frequency 2.4 MHz)	NA
Wired connection types	Apple Lightning iAP2 iDynamo 5 (Gen II): USB-C for pass-thru charging
Optional Accessories	Cable and adapter stabilizers
Electrical	
Power Inputs	Lightning connector iDynamo 5 (Gen II): USB C connector
Battery	No Battery
Voltage	2.85 to 3.47 VDC from the attached iOS host 5 VDC on USB power
Security and Certifications	
Compliance (FCC, CE, UL)	YES
MagneSafe Security Architecture: Data protection 3DES encryption; DUKPT key management; Unique, non-changeable device serial number	
Tamper	Evident/Resistant
Mechanical	
Dimensions L x W x H or L x W x D	2.47 x 1.5 x 0.58 in. (62.7 x 38.1 x 14.7 mm)
Weight	iDynamo 5 (Gen II): w/o adapter 1.02 oz. (28.94 g)
Mount/Stabilizer	Device adapters
Environmental	
Operating temp	32°F to 95°F (0°C to 35°C)
Operating and storage humidity non-condensing	5% to 90%
Storage temp	-4°F to 113°F (-20°C to 45°C)



Made for iPhone 14 Pro Max, iPhone 14 Pro, iPhone 14 Plus, iPhone 14, iPhone SE (3rd generation), iPhone 13 Pro Max, iPhone 13 Pro, iPhone 13, iPhone 13 mini, iPhone 12 Pro Max, iPhone 12 Pro, iPhone 12, iPhone 12 mini, iPhone 11 Pro Max, iPhone 11 Pro, iPhone 11, iPhone XS Max, iPhone XS, iPhone XR, iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPad Pro 10.5-inch, iPad Pro 12.9-inch (2nd generation), iPad Pro 9.7-inch, iPad Pro 12.9-inch (1st generation), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad (6th generation), iPad (5th generation)



Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, barcodes, 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, Quantum secure cards, token generators, EMV contact, contactless, barcode 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, payment processors, and ISVs to provide secure and efficient data privacy, as well as 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 on-line identification, payment processing, and high-value electronic transactions. MagTek is headquartered in Seal Beach, CA.