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*

OTTERBOX

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

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.

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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 U.S. 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)