



cDynamo Frequently Asked Questions

Q: What iPads work with cDynamo?

A: iPad Air 2, iPad Air, iPad mini 3, iPad mini 2, iPad mini 21087005 – iPad Air 21087006 – iPad mini 3, iPad mini 2, iPad mini 21087007 – iPad Air 2

Q: What operating systems will support cDynamo?

A: iOS 6 or newer

Q: What interface options does cDynamo support?

A: Physical connectivity with Lightning port. The Micro-USB port on the back is for charging the iOS tablet ONLY.

Q: Does cDynamo communicate to the iOS tablet via USB?

A: No, cDynamo interfaces to the iOS tablet via Lightning only. The Micro-USB port on the back is for charging the iOS tablet ONLY.

Q: How does cDynamo get its power?

A: cDynamo draws 100% of its power from the iOS tablet.

Q: Is there a power switch?

A: No

O: Does cDynamo require batteries? A: No

Q: Does cDynamo attach to a standard VESA mounting system?

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

Q: What Device Protocol Name does MagTek recommend?

A: com.magtek.idynamo

Q: What are the MagTek Product Plan IDs for iDynamo and cDynamo?

A: When the client's application is submitted to Apple, the customer must reference the MagTek Product Plan (PPID):

- **103164-0003 for iDynamo 4** (which connects to supported iPhone, iPod touch and iPad models (30-pin).
- 103164-0005 for iDynamo 5 (which connects to supported iPhone, iPod touch and iPad models (Lightning).
- **103164-0007 for cDynamo-1** (which connects to iPad Air).
- **103164-0009 for cDynamo-2** (which connects to iPad mini 3, iPad mini 2, iPad mini).
- **103164-0010 for cDynamo-3** (which connects to iPad Air 2).

cDynamo Specification



iPad mini 3, iPad mini 2, iPad mini W 5.47 x L 9.71 x D 0.72 (inch) WT: 1.5lb with iPad mini

Secure Card Reader Authenticator (SCRA)	
Card Speed: 6 to 60 Protects card data p MagnePrint® card au Generates dynamic Device/host authent Unique, non-change Time bound session Triple DES open star DUKPT key manage	SI/ISO/AAMVA and custom formats ips (15 to 152 cm/s) er PCI DSS requirements uthentication payment card data with each swipe ication able serial number IDs ndards-based encryption
MESSAGE FORMAT	ASCII
INTERFACE CONNECTOR	Lightning connection only
OPERATING SYSTEM	iOS 6 or newer
CONTROLS	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).
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. Micro-USB port is for charging the tablet only and cannot be used as an interface.
MFi	approved device
MOUNTING	VESA Mount = MIS-D 4" x 4" (100mm x 100mm) Qty 4 - M4 screw threads
MECHANICAL	
iPad mini 3 iPad mini 2 iPad mini	W 5.47 x L 9.71 x D 0.72 (inch) WT: 1.5lb with iPad mini
iPad Air 2 iPad Air	W 6.85 x L 11.28 x D 0.72 (inch) WT: 1.5lb with iPad Air/2
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

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 MagneSafeTM 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.

Storage:

ALTITUDE

Operating

.72

5% to 90% noncondensing

3000m (10,000 ft)