

DynaFlex and DynaFlex Pro

Three-way Secure Card Reader Authenticators

Installation and Operation Manual



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REGISTERED TO ISO 9001:2015

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Table 0-1 - Revisions

Rev Number	Date	Notes
	April 28, 2020	

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MagTek warrants that the products sold pursuant to this Agreement will perform in accordance with MagTek's published specifications. This warranty shall be provided only for a period of one year from the date of the shipment of the product from MagTek (the "Warranty Period"). This warranty shall apply only to the "Buyer" (the original purchaser, unless that entity resells the product as authorized by MagTek, in which event this warranty shall apply only to the first repurchaser).

During the Warranty Period, should this product fail to conform to MagTek's specifications, MagTek will, at its option, repair or replace this product at no additional charge except as set forth below. Repair parts and replacement products will be furnished on an exchange basis and will be either reconditioned or new. All replaced parts and products become the property of MagTek. This limited warranty does not include service to repair damage to the product resulting from accident, disaster, unreasonable use, misuse, abuse, negligence, or modification of the product not authorized by MagTek. MagTek reserves the right to examine the alleged defective goods to determine whether the warranty is applicable.

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Service may be obtained by delivering the product during the warranty period to MagTek (1710 Apollo Court, Seal Beach, CA 90740). If this product is delivered by mail or by an equivalent shipping carrier, the customer agrees to insure the product or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or equivalent. MagTek will return the product, prepaid, via a three (3) day shipping service. A Return Material Authorization ("RMA") number must accompany all returns. Buyers may obtain an RMA number by contacting MagTek Support Services at (888) 624-8350.

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MAGTEK'S SOLE LIABILITY AND BUYER'S EXCLUSIVE REMEDIES ARE STATED IN THIS SECTION AND IN THE SECTION RELATING TO MAGTEK'S LIMITED WARRANTY.

FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by MagTek could void the user's authority to operate this equipment.

CANADIAN DECLARATION OF CONFORMITY

This digital apparatus does not exceed the Class B limits for radio noise from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

INDUSTRY CANADA (IC) RSS

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage, et (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CUR/UR

This product is recognized per Underwriter Laboratories and Canadian Underwriter Laboratories 1950.

CE STANDARDS

Testing for compliance with CE requirements was performed by an independent laboratory. The unit under test was found compliant with standards established for Class B devices.


AUSTRALIA / NEW ZEALAND STATEMENT

Testing for compliance with AS/NZS standards was performed by a registered and accredited laboratory. The unit under test was found compliant with standards established under AS/NZS CISPR 32 (2013), AS/NZS 4268 Table 1, Row 59 DTS 2400-2483MHz SRD (802.11), and AS/NZS 4268 (2017) Table 1, Row 43 13.553-13.567MHz (contactless reader).

UL/CSA

This product is recognized per *UL 60950-1, 2nd Edition, 2011-12-19* (Information Technology Equipment - Safety - Part 1: General Requirements), *CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12* (Information Technology Equipment - Safety - Part 1: General Requirements).

ROHS STATEMENT

When ordered as RoHS compliant, this product meets the Electrical and Electronic Equipment (EEE) Reduction of Hazardous Substances (RoHS) European Directive 2002/95/EC. The marking is clearly recognizable, either as written words like “Pb-free,” “lead-free,” or as another clear symbol (.

PCI STATEMENT

PCI Security Standards Council, LLC (“PCI SSC”) has approved this PIN Transaction Security Device to be in compliance with PCI SSC’s PIN Security Requirements.

When granted, PCI SSC approval is provided by PCI SSC to ensure certain security and operational characteristics important to the achievement of PCI SSC’s goals, but PCI SSC approval does not under any circumstances include any endorsement or warranty regarding the functionality, quality or performance of any particular product or service. PCI SSC does not warrant any products or services provided by third parties. PCI SSC approval does not under any circumstances include or imply any product warranties from PCI SSC, including, without limitation, any implied warranties of merchantability, fitness for purpose, or non-infringement, all of which are expressly disclaimed by PCI SSC. All rights and remedies regarding products and services which have received PCI SSC approval shall be provided by the party providing such products or services, and not by PCI SSC.

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1 Introduction

DynaFlex and DynaFlex Pro are ready to launch your payment environment to the next level. All DynaFlex products offer an integrated secure card reader authenticator (SCRA) for magnetic stripe cards, EMV chip cards (contact and contactless), and NFC enabled mobile wallets including Samsung Pay, Google Pay, and Apple Pay. DynaFlex Pro products offer a color touchscreen display for added convenience. DynaFlex Products deliver smart solutions for companies that need the most flexibility in the smallest form factor at a great price.

DynaFlex Products offer options with microsuction fitted feet, mounting holes, and configurable brackets, assuring the cardholder a stable swipe, dip, or tap experience. The three reading locations are all visible to the cardholder from the top. This intuitive positioning of the slots also ensures that “bugs,” skimmers, or shimmers can not be placed inside the device.

DynaFlex product features include:

- Multiple Payment Methods. Secure card reader authenticator for:
 - Magnetic stripe cards
 - EMV chip cards
 - EMV contactless cards
 - NFC capable devices
- Security
 - MagneSafe® Security Architecture
 - Triple DEA encryption/DUKPT key management
 - AES 128 encryption/DUKPT key management
 - MagnePrint® card authentication
 - Device/host authentication
 - PCI-Secure Reading and Exchange of Data (SRED)
 - Suitable for PCI-P2PE Solutions

Table 1-1 - Available Models and Options

Part No.	Description	Display	Connection(s)
21078007	DYNAFLEX, PCI, NO DISPLAY, GRAY, USB	None	USB-C
21078008	DYNAFLEX, PCI, NO DISPLAY, GRAY, BLUETOOTH LE	None	USB-C Bluetooth LE
21078009	DYNAFLEX PRO, PCI, TOUCHSCREEN DISPLAY, GRAY, USB	Touchscreen	USB-C
21078010	DYNAFLEX PRO, PCI, TOUCHSCREEN DISPLAY, GRAY, BLUETOOTH LE	Touchscreen	USB-C Bluetooth LE
21078011	DYNAFLEX PRO, PCI, TOUCHSCREEN DISPLAY, GRAY, 802.11 WIRELESS	Touchscreen	USB-C 802.11 Wireless
21078012	DYNAFLEX PRO, PCI, TOUCHSCREEN DISPLAY, GRAY, ETHERNET	Touchscreen	USB-C Ethernet
All models are colored gray and have countertop, handheld, and custom mounting options.			

1.1 Stable and Secure Performance

DynaFlex Products offer options with microsuction fitted feet, mounting holes, and configurable brackets, assuring the cardholder a stable swipe, dip, or tap experience. The three reading locations are all visible to the cardholder on the face of the device. This intuitive positioning of the slots also ensures that “bugs,” skimmers, or shimmers cannot be placed inside the device.

1.2 Compatible with Multiple Operating Systems

DynaFlex Products are very flexible. They work with a large number of host platforms, including Android and Windows. DynaFlex devices use USB, or USB and Bluetooth LE connections without a touchscreen. DynaFlex Pro devices have touch screens and offer USB, USB and Bluetooth LE connections, USB and 802.11 wireless connections, or USB and Ethernet connections.

1.3 The Power of Flexibility

DynaFlex Products are countertop, mounted, or handheld / mobile devices. They can be used for traditional brick-and-mortar points of sale, mounted to a touchscreen, or brought to the table. DynaFlex Pro devices (with touchscreen) allow cardholder adjustment of the amount, and can serve as data collection and messaging points. The display can present your logo or custom messaging, is available in several different colors, and depicts on-screen instructions for dip, tap, or swipe operations. The device is made for easy integration into holsters or cases for a custom solution. DynaFlex Products are made from molded light gray plastic with a face in black, sapphire blue, or white. Custom colors and silk screened logos are available with a minimum order size.

1.4 MagneSafe Security Architecture

DynaFlex Products adhere to MagTek’s MagneSafe Security Architecture based on dynamic encryption, authentication, and tokenization, which protects cardholder data from the moment of swipe, dip, or tap. It reads cards, wearables, and mobile wallets. It is also PCI-SRED compliant, making it perfect for P2PE solutions.

1.5 Magensa Services

Couple DynaFlex Products with Magensa Services to make your certification cycle easier and remove unencrypted data from your environment. A service representative will work with you to determine if Magensa Decrypt, Magensa Decrypt and Forward, or the Magensa Payment Protection Gateway is best for you. As always, MagTek’s developer tools including our royalty free software developer kits with APIs are readily available 365/24/7 on our web site. For faster development, you can use our MagneFlex browser and middleware. Your code can be written once and deployed on multiple operating systems. The data is unpacked, parsed, and sent to its destination faster and easier.