



Some features and functions may be documented, but not available with the current release of the product. Please contact your MagTek representative for questions about specific features and functions and when they are scheduled to become available.



DynaFlex Family

DynaFlex Pro BCR shown here, DynaFlex Pro shown above. Features subject to change without notice. Screen is simulation and does not represent actual screen resolution.

Payment Methods

Secure card reader authenticator for:

- Magstripe cards
- EMV chip cards
- EMV contactless cards
- NFC capable devices
- 1D/2D barcodes

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)
- Ready for PCI-P2PE Solutions

DynaFlex Family

DynaFlex Countertop Models

Secure Card Reader Authenticator / PED

The DynaFlex family of products are ready to launch your payment environment to the next level. All DynaFlex products offer an integrated secure card reader authenticator for magnetic stripe cards, EMV chip cards (contact and contactless), and NFC enabled mobile wallets including Samsung PaySM, Google PayTM, and Apple Pay[®]. The DynaFlex family includes an array of options including angled bottoms (standard countertop models), touchscreens (Pro models), barcode readers (BCR models), and flat mounting backs (Kiosk models). DynaFlex devices deliver a smart solution for merchants that need the most flexibility, in the smallest form factor, at a great price.

Stable and Secure Performance

DynaFlex countertop devices come with micro suction fitted feet, assuring the cardholder a stable swipe, insert, 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 ensures that “bugs,” skimmers, or shimmers cannot be hidden easily inside the device.

Compatible with a Variety of Connections

DynaFlex products are compatible with Android and Windows operating systems. Select models offer USB, USB and Bluetooth LE connections, USB and WLAN, or USB and Ethernet connections.

The Power of Flexibility

DynaFlex devices are ready for countertop, mounted, or handheld solutions. Ready for traditional brick-and-mortar points of sale, mounted to a touchscreen, or brought to the table with wireless models. DynaFlex Pro, with touchscreen, can

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present your logo, custom messaging, and on-screen instructions for insert, tap, or swipe operations. DynaFlex BCR reads 1D and 2D barcodes for faster transactions and QR Code acceptance. DynaFlex products are made from molded rubberized black plastic and matching black lens on the face. Custom colors and silk-screened logos are available with minimum orders.

Mounted Countertop Applications



Flexible Countertop Applications



Handheld Applications



MagneSafe Security Architecture

DynaFlex devices adhere to MagTek's MagneSafe Security Architecture. This is based on dynamic encryption, authentication, and tokenization which protects cardholder data from the moment of swipe, insert, or tap. DynaFlex devices are PCI-SRED compliant, making them ideal for P2PE solutions.

Magensa Web 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 on our web site. For faster development, use MagneFlex Prism, a suite of interface developer tools that reduce the points of development, for browser and middleware software applications. Instead of using SDKs, APIs, and applets to build an interface to the hardware device, another to interface to the POS application, and another to the gateway, build the interface to MagneFlex. MagneFlex then drives the hardware, interfaces with the POS app, and issues the commands to pack, parse, and send the data out for processing.



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.

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EMV® is a registered trademark in the U.S. and other countries and an unregistered trademark elsewhere. The EMV trademark is owned by EMVCo, LLC. The Contactless Indicator mark, consisting of four graduating arcs, is a trademark owned by and used with permission of EMVCo, LLC.

Specifications

SUBJECT TO CHANGE WITHOUT NOTICE.

Payment methods	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read; ISO 7811	YES 6 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES
EMV contactless EMVCo L1 and L2, EMV Level 1 ISO/IEC 18092, ISO/IEC 14443 (Type A/B) Including: Apple Pay, D-PAS, Expresspay, Google Pay, MCL, PayWave, Samsung Pay	YES
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A/B), FeliCa, RFID	YES
Barcode / BCR models only 2D and 1D barcodes, including QR Code, PayPal/Venmo, Linear Barcodes, UPC-A, UPC-E, Code 128, PDF417, etc.	BCR models only
ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	
MSR / SCRA swipes	1 Million
EMV insertions	500K
Compatible Operating Systems	USB Hosts: Windows 10, Android 4.4.2 and above
CPU	K81
Touchscreen display - Pro models only	2.27x1.70 in.(57.60x43.20mm) 320x240 (RGB) Dots
Status indicators	4 LED, auditory beep
General	
Connections/Interfaces	USB-C (USB HID 2.0)
Magensa Web services	YES
Electrical	
Charging	NA
Rechargeable Battery for Bluetooth LE and WLAN operations	NA
Current and Power	Power through USB.
Security and Certifications	
Compliance (FCC, CE, UL)	YES
PCI, SRED	PCI PTS POI v5.1 SCR
MagneSafe Security Architecture	YES
Encryption	TDEA/DUKPT AES 128/DUKPT
Tamper	Responsive
Mechanical	
Dimensions W x L x H	DynaFlex and DynaFlex Pro: 4.0x3.5x1.9 in.(101.6x88.9x48.3mm) DynaFlex Kiosk/DynaFlex Pro Kiosk: 4.1x3.5x1.9 in.(103.3x90.0x48.3mm)
Mount/Stabilizer	Micro suction feet Lanyard mount point
Environmental	
Storage temp	14 °F to 140 °F (-10 °C to 60 °C)
Operating temp	32 °F to 113 °F (0 °C to 45 °C)
Operating & storage humidity non-condensing	10% to 90%

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