



## Transaction Types

- Magstripe Cards
- EMV Contact Chip
- EMV Contactless
- NFC Contactless
- 1D/2D Barcodes (BCR model only)
- Manual Entry, Signature Capture, PIN Entry
- MIFARE<sup>®</sup> Classic<sup>®</sup>, MIFARE DESFire<sup>®</sup>, NTAG<sup>®</sup>
- Apple Pay, Google Pay, Samsung Pay
- Apple VAS, Google SmartTap
- PayPal, Venmo

## Operating Systems

- Windows, Android
- iOS (via WLAN)



### DynaFlex II PED BCR

Countertop Form Factor Shown Here.  
Screen is simulation and does not represent  
actual screen resolution.



### DynaFlex II PED Kiosk

Kiosk Mount Shown Here

# DynaFlex II PED

## Pin Entry Device

DynaFlex II PED products are ready to launch your payment, banking, and access environment to the next level. DynaFlex II PED devices deliver a smart solution with great flexibility, in a small form factor. A secure cryptographic device, DynaFlex II PED products deliver magstripe, EMV<sup>®</sup> Contact Chip, EMV Contactless, and NFC acceptance capabilities, and a touchscreen for signature capture, manual entry of card data, and PIN entry. DynaFlex II PED BCR additionally offers barcode reading. Compatible with Windows and Android host devices through USB or WLAN connection or to iOS/iPadOS host devices through WLAN.

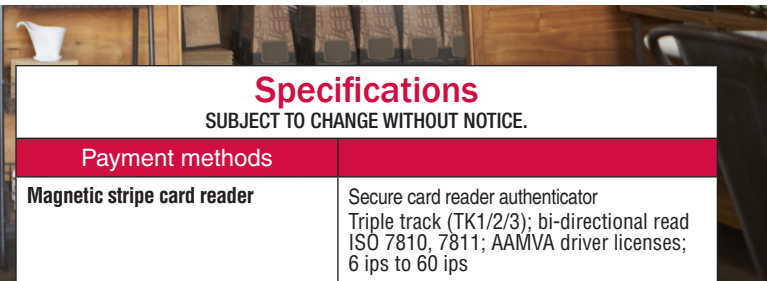
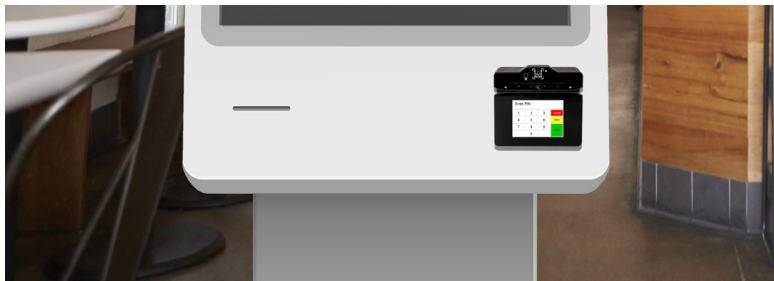
### Enhance User Experience

Offer more acceptance in a small form factor with payment and non-payment technology. Faster and easier transactions enhances the users experience. Allow consumers the ability to access accounts, make payments, use loyalty points, authenticate their ID, and more.

### Ease of Integration with Device Integration Tools

DynaFlex II PED is a durable device made for easy connection. MagTek is your partner in development and provides a comprehensive platform of drivers, APIs, and software development kits (SDKs). The SDKs include tools, documentation, and sample code for developing applications on Windows, Android, and iOS operating systems for faster development and easier integration. DynaFlex II SCR Kiosk additionally offers a flat mount back for easier integration into unattended and kiosk solutions.

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<b>Specifications</b>	
SUBJECT TO CHANGE WITHOUT NOTICE.	
<b>Payment methods</b>	
<b>Magnetic stripe card reader</b>	Secure card reader authenticator Triple track (TK1/2/3); bi-directional read ISO 7810, 7811; AAMVA driver licenses; 6 ips to 60 ips
<b>EMV chip contact</b>	EMVCo L1 and L2 ISO/IEC 7816
<b>EMV contactless</b>	EMVCo L1 and L2 Contactless Reader; D-PAS, PayPass/MCL, payWave, Expresspay
<b>NFC contactless / mobile wallets</b>	ISO/IEC 18092, ISO/IEC 14443 (Type A/B); mobile wallets including but not limited to Google Play™, Samsung Pay™, Apple Pay ®, MIFARE® Classic, MIFARE® DESFire ®, NTAG
<b>Barcode / BCR devices only</b>	QR Code (color encoded, logo-based), Linear Barcodes, UPC-A, UPC-E, Aztec, EAN-13, Code 39, Code 128, PDF417/ Data Matrix, etc.
<b>Reliability and Operation</b>	
<b>MSR / SCRA swipes</b>	1 million swipes
<b>ICC Read Head Life</b>	500,000 insertions
<b>Compatible Operating Systems</b>	Windows 10, Android 4.4.2+: USB & WLAN iOS/iPadOS: WLAN
<b>CPU</b>	K81
<b>Touchscreen display for manual entry and signature capture</b>	2.27x1.70 in.(57.60x43.20mm) 320x240 (RGB) Dots
<b>Status indicators</b>	4 LEDs, auditory beep
<b>General</b>	
<b>Connections/Interfaces</b>	USB-C; WLAN (select models)
<b>Magensa Web services</b>	YES
<b>Electrical</b>	
<b>Rechargeable Battery/Charging</b>	Select WLAN models
<b>Current and Power</b>	Power and charging through USB.
<b>Security and Certifications</b>	
<b>Compliance (FCC, CE, UL, UKCA)</b>	YES
<b>PCI, SRED</b>	PCI PTS POI v6.x
<b>MagneSafe Security Architecture</b>	Encryption, Tokenization, Authentication, Dynamic Data
<b>Encryption</b>	TDEA/DUKPT, AES/CMAC
<b>Tamper</b>	Responsive
<b>Mechanical</b>	
<b>Dimensions W x L x H</b>	<b>Without Kiosk Mount:</b> BCR: 4.1x3.5x1.9 in No BCR: 4.1x3.7x1.9 in. <b>With Kiosk Mount:</b> 4.1x3.5x1.9 in. (103.3x 90.0x48.3mm)
<b>Mount/Stabilizer</b>	Micro suction feet, Lanyard mount point, Kiosk Mount
<b>Environmental</b>	
<b>Temperature Operating and Storage</b>	32°F to 113°F (0°C to 45°C) 14°F to 140°F (-10°C to 60°C)
<b>Humidity (non-condensing) Operating and Storage</b>	10% to 90%

## Security is Paramount

DynaFlex II PED meets and exceeds PCI PTS 6.x PED security requirements and includes the MagTek MagneSafe® Security Architecture (MSA). The enclosure and associated electronics form a tamper resistant security module (TRSM) where attempts to penetrate or modify the unit cause all keys to be cleared and/or stop the unit from functioning. DynaFlex II PED delivers industry best practices for data protection, using triple DES encryption (TDEA/3DES) and derived unique key per transaction (DUKPT) key management and AES CMAC Authentication. PIN, magnetic stripe, barcode, chip card (contact/contactless), NFC, and manually entered card data are encrypted as soon as they are entered.

- MagneSafe® Security Architecture
- PCI PTS 6.x PED
- SRED, PCI Secure Reading and Exchange of Data
- Ready for PCI-P2PE Solutions

## Magensa Web Services

DynaFlex II PED is certified for use with Magensa Services for Data Protection, Gateway Services, applications, and remote services. MagTek's secure remote services include key injection and device configuration and are compliant with PCI P2PE environments. This eliminates the need for to manage sensitive information such as encryption keys or device configuration settings, allowing for upgrades throughout the life of the device.

- TR-31 and PCI PIN Compliant Remote Key Injection
- Update Firmware, Certificate Authority Public Keys (CAPKs), and EMV Terminal and Application Settings (Tags)
- Update a Variety of Device Configurations
- Mutual Authentication
- Session IDs for Time Stamp Capabilities
- Digital Signatures for Verification
- Redirection Blocking

Magensa Services combine encryption, tokenization, authentication, and dynamic data to protect card data.