



DynaFlex II PED for Banking

Countertop Secure PIN Device Makes Branch Automation Easy



DynaFlex II PED

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
- Manual Entry

Security

- MagneSafe[®] Security Architecture
- Triple DEA encryption/DUKPT key management
- MagnePrint[®] card authentication
- Device/host authentication
- PCI Secure Reading and Exchange of Data (SRED)
- Ready for PCI-P2PE Solutions

Connect your customer service desk and your back office with the security, flexibility, and reliability in-branch visitors expect, using DynaFlex II PED. A secure cryptographic device with PIN entry, DynaFlex II PED, delivers manual entry of card data, magstripe, barcode, EMV[®] Chip Contact, EMV Contactless, and NFC acceptance capabilities; and connects to Windows and Android host devices via USB. Enable teller line, back office, and other in-branch settings, such as concierge-receptionists, to facilitate cardholder identification and other PIN entry transactions.

Increase Consumer Engagement

The use of technology to quickly identify and access account information also increases “heads-up-time.” This encourages more direct face-to-face interaction, a more personalized experience, and added engagement between the consumer and the teller.

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.

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Specifications

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Payment methods	
Magstripe secure card reader authenticator Triple track (TK1/2/3); bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 6 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES
EMV contactless EMVCo L1 and L2 Contactless Reader; D-PAS, PayPass/MCL, pay-Wave, Expresspay; Mobile wallets including but not limited to Google Play™, Samsung Pay™, Apple Pay®	YES
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A/B); D-PAS, PayPass/MCL, pay-Wave, Expresspay; Mobile wallets including but not limited to Google Play™, Samsung Pay™, Apple Pay®	YES
Barcode / BCR models only QR Code (color encoded, logo-based), Linear Barcodes, UPC-A, UPC-E, Aztec, EAN-13, Code 39, Code 128, PDF417/ Data Matrix, etc.	BCR models only
Reliability and Operation	
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 for manual entry and signature capture	2.27x1.70 in.(57.60x43.20mm) 320x240 (RGB) Dots
Status indicators	4 LEDs, 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, UKCA)	YES
PCI, SRED	PCI PTS POI v6.x PED PIN Entry Device
MagneSafe Security Architecture	Encryption, Tokenization, Authentication, Dynamic Data
Encryption	TDEA/DUKPT
Tamper	Responsive
Mechanical	
Dimensions W x L x H	4.07 x 3.74 x 1.91 in (103.3 x 95.1 x 48.5mm)
Mount/Stabilizer	Micro suction feet Lanyard mount point
Environmental	
Temperature Operating Storage	32°F to 113°F (0°C to 45°C) 14°F to 140°F (-10°C to 60°C)
Humidity (non-condensing) Operating Storage	10% to 90%



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. PIN, magnetic stripe, barcode, chip card (contact/contactless), NFC, and manually entered card data are encrypted as soon as they are entered into the device. Using proven and tested industry standards gives financial institutions the flexibility to outsource or manage decryption services themselves, avoiding the risk imposed by unproven, proprietary encryption algorithms.

Ease of Integration

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 and Android operating system platforms for faster development and easier integration.

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 financial institutions to manage sensitive information such as encryption keys or device configuration settings, allowing the upgrade of keys or device security settings 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.