



DynaFlex II Family

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

DynaFlex II Family

Countertop Models

Secure Card Reader Authenticator

DynaFlex II products are ready to launch your payment environment to the next level. DynaFlex II products deliver magstripe, barcode, EMV® Chip Contact, EMV Contactless, and NFC acceptance capabilities; and connect to Windows and Android host devices via USB. DynaFlex II devices deliver a smart solution for merchants that need the most flexibility, in the smallest form factor, at a great price. DynaFlex II PED* offers a touchscreen for signature capture, manual entry of card data and PIN entry for banking applications.

Stable and Secure Performance

DynaFlex II and DynaFlex II PED products come with micro suction fitted feet, assuring the cardholder a stable scan, swipe, insert, or tap experience. Depending on the model, the 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. DynaFlex II products are made from molded rubberized black plastic and matching black lens on the face.

The Power of Flexibility

DynaFlex II products read 1D and 2D barcodes for faster transactions and QR Code acceptance. DynaFlex II PED products are keypad ready for traditional brick-and-mortar points of sale and call centers for manual entry of card data. The touchscreen is ready to present your logo, custom messaging, or accept electronic signature for in-person transactions.

MagneSafe Security Architecture

DynaFlex II products meet and exceed PCI PTS 6.x security requirements and include the MagTek MagneSafe® Security Architecture (MSA). The enclosure

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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 v6.x*
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%

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 products deliver industry best practices for data protection, using triple DES encryption (TDEA/3DES) and derived unique key per transaction (DUKPT) key management. 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 merchants the flexibility to outsource or manage decryption services themselves, avoiding the risk imposed by unproven, proprietary encryption algorithms.

Ease of Integration

DynaFlex II products are durable devices 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 products are 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 merchants 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

*PIN encryption for banking applications ONLY.