MAGTEK®
SECURITY FROM THE INSIDE

DynaPro Go for Banking

Handheld Secure PIN Device Makes Branch Automation Easy

Connect your customer service desk with your back office with the security, flexibility, and reliability in-branch visitors expect using DynaPro Go. DynaPro Go is a secure cryptographic device with PIN entry, magstripe, EMV, and NFC card reading capabilities that connects to host devices via USB, Bluetooth LE, or 802.11 wireless. This enables DynaPro Go to be used at the teller line, back office, and in mobile in-branch settings such as concierge-receptionists, who can quickly identify consumers and determine the best next steps. The card reader has a secure backlit PIN pad, and LCD display.

Faster Service is Better Service

In-branch transactions are declining, but the transactions that are occurring typically involve the more complex and higher transaction types. The ability to speed up these transactions enhances the customer experience and may lead to increased revenue streams. Allowing fast and secure identification of consumers enables customer service representatives to access accurate rates and services for loan applications, account details, and other financial products. This speeds the transaction and speeds the processing time in handling credit applications, since data is sent immediately and electronically instead of needing to be mailed and reviewed.

Increase Consumer Engagement

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

Security is Paramount

DynaPro Go meets and exceeds PCI PTS 4.x, SRED 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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DynaPro Go 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, chip card (contact/contactless), NFC, and manually keyed 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

DynaPro Go 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 a variety of environment platforms including Windows, iOS, and Android for fast development and easy integration.

Magensa Web Services

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

Specifications

Payment methods	
Magstripe SCRA Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses; 10 to 50 ips	
EMV chip contact EMVCo L1 and L2	
Contactless Reader EMVCo Contactless L1, D-PAS®, PayPass™/MCL, payWave®, ExpressPay®, Mobile wallets including but not limited to Apple Pay®, Google Pay, Samsung Pay®	
Signature Capture with dry finger tips	
Reliability and Operation	
MSR / SCRA swipes	1 Million
EMV insertions	500K
Memory	256 MBit flash memory
Status indicators	NA
Tested Operating System compatibility	**USB Hosts:** Windows 7, Windows 8 and 8.1, Windows 10, Android 4.4.2 and above with USB OTG support **802.11 wireless TLS 1.2 hosts:** iOS 7.1 and above, Android 6.0 and above, Windows 7 SP1 and above **Bluetooth LE hosts:** iOS 7.1 and above, Android 5.0 and above, Windows 8.1 and above on hosts that support Bluetooth LE Secure Connections per Bluetooth Core Specification 4.2.
General	
Data Connections	Micro-USB, implements USB 1.1 and USB 2.0 TCP/IP over 802.11 wireless (select models) Bluetooth LE Secure Connections with Numeric Comparison (select models). See technical manual for more details
Display	320x240 pixels BackLit QVGA TFT LCD; 16-bit color depth; Adaptable brightness based on ambient lighting or preset. Pre-programmed static and animated messages.
Secure PIN Pad	Backlit Full-travel membrane pad providing tactile feedback; 10 digits, 2 data entry keys, 3 multi-purpose function keys; ADA compliant
Web services	Magensa Services
Electrical	
Charging	Micro-USB and charging cradle (customer must supply own power source)
Battery	1700 mAh nominal (rated) Lithium polymer rechargeable for main power; Lithium coin cell for backup.
Voltage Requirement	5VDC when sourced from Micro-USB, charging cradle, or wall adapter
Security and Certifications	
ISO 7810 and ISO 7811, AAMVA | TDEA (3DES)-CBC using DUKPT | PCI PTS v4.x | EMV ICC Specifications for Payment Systems Version 4.3 | EMV Contactless Level 1 Book D v2.6 | MCL v3.1.1 (formerly PayPass) | payWave v2.2 | Expresspay v3.1 | D-PAS Terminal Payment Application v1.0 | D-PAS Terminal Application Specification Bulletin CL TAS-001 v1.1 | FCC Title 47 Part 15 Subclass C EMC | UR/CUR UL Recognized | CE | AS/NZS 4268:2017 | MasterCard TQM | RoHS Compliant / California Proposition 65 | WEEE (EU) | IEEE 802.11 b/g/n, IEEE 802.11i-2004 | WPA2-PSK, TKIP, AES, SHA-256 | TCP/IP secured by Transport Layer Security (TLS) Protocol v1.2 | Bluetooth Core Specification 4.2 | USB 1.1, USB 2.0	
3DES encryption; DUKPT; MagneSafe Security Architecture; Unique, non-changeable device serial no.	
Tamper	Evident/Resistant/Responsive
Mechanical	
Dimensions L x W x H or L x W x D	6.1 x 2.8 x 1.0 in. (155 x 71 x 25.4 mm)
Weight	802.11 wireless model: 8.84 oz. (250.5g) Bluetooth LE model: 8.73 oz. (247.5g)
Mount/Stabilizer	Optional charging cradle
Environmental	
Operating and storage temp	32°F to 113°F (0°C to 45°C)
Operating humidity non-condensing	10% to 90%

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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.