

# DynaPro for POS

Secure Cryptographic Device for PIN, Magstripe and EMV

**Prevent card data breaches without compromising the speed and convenience of consumers' transactions with DynaPro.**

DynaPro is a sleek, multifunction point of transaction and POS PIN Entry Device with encrypting keypad, a MagneSafe™ secure card reader authenticator (SCRA), EMV contact/contactless smart card reader and optional NFC (contactless) capabilities. DynaPro provides all of this functionality within a slim, stylish, and rugged payment secure cryptographic device (SCD) that can be hand-held or fix mounted.

DynaPro allows merchants to use one device for a variety of card technologies. DynaPro encrypts cardholder payment data, exceeds PCI DSS security requirements, and provides a future-proof migration path for tomorrow's EMV payment technologies. Start using the DynaPro, an EMV-equipped payment terminal to future-proof your payment solution (no changes needed for current MagTek IPAD® customers). Install immediately for magstripe card transactions, and remotely turn on EMV in the future, once the US market is ready.



**DynaPro**

Secure cryptographic device for PIN, with SCRA, EMV contact / contactless, and optional contactless NFC, signature capture, and privacy shield



MAGNETIC STRIPE



PIN ENTRY DEVICE



SMARTCARD CHIP EMV CONTACT L1 & L2



FULL COLOR DISPLAY



SIGNATURE CAPTURE [OPTIONAL]



PRIVACY SHIELD [OPTIONAL]



EMV L1 CONTACTLESS [OPTIONAL]

secure  
**VERSATILE**  
flexible



MAGNESAFE™  
SECURITY ARCHITECTURE



PCI PTS 3.X, SRED



## ENHANCED EXPERIENCE - MAXIMUM ACCEPTANCE

The DynaPro's integrated features provide a single point-of-transaction interface for all of your consumers' payment and transactional needs. The compact design provides a small footprint that fits easily into retail POS environments. DynaPro comes standard as a PIN entry device with a secure card reader authenticator (SCRA), EMV smartcard reader, secure PIN pad, color display, programmable function buttons, and a USB 2.0 interface. Optional features include: NFC contactless card reader, signature capture, privacy shield, and Ethernet interface. DynaPro expands its acceptance with PIN or signature user authentication, accepting most payment methods, including traditional PIN debit, EMV Chip and PIN, or EMV Chip and Signature.

## EXCEEDS SECURITY STANDARDS

DynaPro provides the highest levels of physical and logical security, is PCI PTS 3.x SRED compliant, and combines the industry's best practices and standards for encryption (3DES), key management (DUKPT), and data protection. It protects consumer transaction data by encrypting all PIN, magstripe, smartcard, contactless, and manually keyed data as soon as it is entered into the device.

DynaPro uses MagnePrint® card authentication which can identify and detect counterfeit magnetic stripe ATM, Debit, Credit, and Gift cards, and render them useless. This state-of-the-art security is designed to identify and prevent fraud before it happens.

## DROP-IN REPLACEMENT\* - EASE OF INTEGRATION

MagTek understands that development time is expensive, and that "time to market" is critical. DynaPro is the only EMV solution in the market today which is a \*drop-in replacement for existing MagTek IPAD® customers (USB HID interface). Start offering your customers an EMV payment terminal today or install now for magstripe card transactions, and turn on EMV in the future.

For new customers, MagTek provides a comprehensive platform of drivers, APIs, and SDKs for DynaPro which allow for fast development and easy integration.

## PEACE OF MIND - FLEXIBLE AND EASY TO MAINTAIN

The DynaPro is ready to meet today's requirements, and tomorrow's opportunities. Each device has its own unique, unchangeable serial number, which supports audit tracking, device/host authentication and remote services.

MagTek's secure remote services include key injection and device configuration. These services are compliant with PCI P2PE environments, and eliminate the need for merchants to manage sensitive information such as encryption keys or device configuration settings. Remote services for key and device management allow for the upgrade of keys or device security settings throughout the life of the device, and remove the need for retailers to recall devices. Such flexibility provides peace of mind in knowing that you have maximum flexibility to manage changes in the future and the flexibility to support tomorrow's evolving technologies.

# Specifications

### MEMORY

256 MBit Flash memory, 64 MBit Internal SDRAM

### DISPLAY

Backlit, TFT Color, 240x320 Resolution

### MAGNETIC CARD READER

Triple Track (TK1/2/3), encrypting IntelliHead reader with MagnePrint; Bidirectional read; ISO 7810, 7811 compliant cards; AAMVA driver licenses; 1 million passes

### EMV SMART CARD

EMV L1 and EMV L2 Type Approval; ISO 7816, 1.8V, 3V, 5V synchronous and asynchronous cards; 500,000 insertions

### EMV CARD READER

EMV contact/contactless; EMV Chip and PIN; EMV Chip and Signature

### NFC CONTACTLESS (optional)

EMV L1 Type Approval; MasterCard PayPass M/Chip, MasterCard PayPass Magstripe, Visa PayWave MSD, Visa PayWave qVSDC, American Express, Discover ZIP, ISO 14443-4 and Mifare

### SYSTEM REQUIREMENTS

Windows XP or later (32-bit or 64-bit); Microsoft .NET Framework version 2.0 (Not required but suggested); USB port or Ethernet port; Qwickcards.com requires IE

### KEYPAD

16 Keys (3 Function Keys), raised marking, ADA compliant

### PERIPHERAL PORTS

USB HID 2.0 (standard), Ethernet (optional) RJ25 modular jack, RS-232 (optional)

### VOLTAGE

Non contactless, USB Port Powered: 5VDC, 250mA

Contactless Power Pack: 5VDC, 900mA

### SIGNATURE CAPTURE (Optional)

Capacitive Sense Stylus; Full Screen Sensing Area

### AUDIO/VISUAL

Audio Beeper: confirms key presses

SmartCard insertion LEDs: smartcard slot

Contactless status LEDs: status of card read

### SECURITY

Secure Cryptographic Device; PCI PTS 3.x SRED compliant; compliant for use in PCI-DSS and PCI-P2PE environments; 3DES (TDEA) encryption protects PIN, card data, and manually keyed data; DUKPT Key Management; MagnePrint® Card Authentication detects fraudulent magstripe cards; privacy shield optionally installed; Mechanical Lock Anchor (allows device to be tethered to POS station); Remote Key and Device Management compliant to PCI PIN, TR-39, X9.24; Key Loading per X9.24-2 and PCI PIN; unique non-changeable device serial number; registered ESO organization

### MECHANICAL

Dimensions (LxWxH): 8.8x3.3x2.4in / 223.5x99.1x 61.0

Weight: 16 oz | 453 gms

### ENVIRONMENTAL

Operating Temp: 32° F - 113° F / 0° C - 45° C

Storage Temp: 14° F - 140° F / 0° C - 60° C

Operating Humidity: 10% - 90% RH,

Storage Humidity: 10% - 90% RH non-condensing



ETHERNET CONNECTION



USB CONNECTION



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, encrypting check scanners, PIN pads and distributed credential personalization systems. 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™ hardware 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. MagTek is headquartered in Seal Beach, CA. For more information, please visit [www.magtek.com](http://www.magtek.com)

