MAGTEK®
SECURITY FROM THE INSIDE

IPAD® and IPAD® SC

Encrypting KeyPad and PIN Entry Device with SCRA

IPAD® SC
PIN Entry Device with secure card reader authenticator shown here with optional signature capture

Merchants can prevent personal cardholder data breaches without compromising the speed and convenience of your customers' financial transactions with IPAD devices. The most comprehensive, end-to-end security solution available, IPAD immediately encrypts data at the point of swipe so personal information is never "in the clear." And using MagTek®'s advanced MagneSafe™ security features, ATM, debit, credit, gift cards and more are authenticated using MagnePrint®, a dynamically generated digital identifier already part of the magnetic stripe card used to render any counterfeit or cloned cards useless.

STABILITY AND RELIABILITY AT THE POS

The IPAD is a multi-functional handheld POS terminal with keypad input, graphics display output on a 128x64 pixel screen, and magnetic card stripe reading with the integrated MagneSafe SCRA. The product is built around a secure, low powered SOC featuring a 96 MHz MIPS32 4KSD RISC processor with included RAM and Flash memory, USB 2.0 full speed connectivity, real-time clock, and battery-powered security protections.

SECURE ENCRYPTING PIN AND DATA ENTRY DEVICE

With IPAD devices, encryption takes place within an encapsulated magnetic read head as the card is swiped eliminating the chance of intercepting clear text data. As a result, the data is never "in the clear." IPAD's data encryption scheme uses industry standard triple DES and AES giving you the flexibility to manage decryption services yourself or via an outsourcing service, without the risk imposed by unproven, proprietary encryption algorithms. IPAD uses a 32bit security processor and has flexible data formatting and masking capabilities for maintaining compatibility with existing software.

Call a representative to learn more: 562-546-6400.

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The IPAD is a Tamper Responsive Security Module (TRSM) where the device responds to tamper attacks. The covers are securely attached (tamper resistant/tamper evident) and sensors detect if any attempt is made to open the unit. There is an automatic erasure of keys and device disablement upon malicious electronic modification. Internal space is also minimized to reduce unauthorized modifications.

MAGTEK PIN AND DATA ENTRY DEVICE COMPARISON

Device	DynaPro	DynaPro Mini	IPAD/ IPAD SC
Magstripe, 3 track, ANSI/ISO/AAMVA	X	X	X
Display	Backlit color LCD	2-line display	LCD
EMV: EMV L1 and L2 contact	X	X	NA
NFC: EMV L1 Contactless	X optional	NA	NA
Signature Capture	X optional	NA	X optional
Interface	USB or Ethernet	microUSB w/Bluetooth 4.0 BLE, or microUSB w/ iOS 30-pin	USB
Compliance	PCI PTS 3.x, SRED	PCI PTS 3.x, SRED	PCI PTS 2.x
Triple DES Encryption, DUKPT	X	X	X
Remote Services	X	X	X
MagneSafe™ Security Architecture	X	X	X

EASY INTEGRATION AND IMPLEMENTATION

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. This allows for the upgrade of keys or device security settings throughout the life of the device, and removes 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.

SECURITY THAT EXCEEDS REQUIREMENTS

- MagnePrint® card authentication
- Device/host authentication
- Unique, non-changeable device serial number
- Triple DES encryption
- DUKPT key management
- Tokenization
- Masked data
- Flexible data formats
- Flexible data masking

MagTek is an official ESO (Encryption Support Organization).

Specifications

Secure Cryptographic Device (SCD)

MAGNESAFE MAGNETIC CARD READER
3 track, bidirectional, secure card reader authenticator (SCRA), 1 million card swipes, ISO and AAMVA, 3 track encrypting IntelliHead reader with MagnePrint®

SYSTEM REQUIREMENTS
Windows XP or later (32-bit or 64-bit)
Microsoft .NET Framework version 2.0 (suggested)

MEMORY
256KB Flash memory, SDRAM; Internal RAM 125KB

DISPLAY
TYPE: Backlit, LCD Liquid crystal display
RESOLUTION: 128 x 64 dpi

KEYPAD
16-key, includes 3 soft function keys associated with LCD, ADA compliant; Audio Beeper: confirms key presses

SIGNATURE CAPTURE (Optional)
Signature capture; optional keyboard emulation

PRIVACY SHIELD (Optional)
Optional privacy shield available

ELECTRICAL/POWER
BATTERY LIFE: 18 month shelf life
BATTERY TYPE: Lithium
NOTE: Plug in to maintain life
POWER : USB bus powered
VOLTAGE 5VDC
CURRENT: 100ma (500ma max.)

SECURITY
PCI PTS 2.x compliant; 3DES (TDEA) encryption protects PIN, card data, and manually keyed data; DUKPT Key Management; MagnePrint® Card Authentication; Mechanical Lock Anchor (allows device to be tethered to POS station); Unique non-changeable device serial number; TRSM

MOUNTING
Mounting # 4-40 screws ONLY. Maximum thread depth should not exceed 0.15". Torque is 4.75 in lbs ± 20%.

INTERFACE
INTERFACES: USB 2.0 (USB 1.1 compatible)
CONNECTION: USB, 6 ft cable (1.8 m)
RJ12 (or RJ25) modular jack

MECHANICAL
Length: 7.5in/190.5mm
Width: 3.5in/88.9mm
Height: 1.5in/38.1mm
Weight: 1 lb

ENVIRONMENTAL
TEMPERATURE
Operating: 32 °F to 113 °F (0 °C to 45 °C)
Storage: 14 °F to 140 °F (-10 °C to 60 °C)
HUMIDITY
Operating: 10% to 90% non-condensing at 23°C
Storage: Up to 90% non-condensing
ALTITUDE
Operating: 0 to 10,000 ft (0 to 3048 m)
Storage: 0 to 50,000 ft (0 to 15240 m)

MAGTEK®
SECURITY FROM THE INSIDE

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.