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.
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.

### 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
- **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).

---

**MAGTEK PIN AND DATA ENTRY DEVICE COMPARISON**

<table>
<thead>
<tr>
<th>Device</th>
<th>DynaPro</th>
<th>DynaPro Mini</th>
<th>IPAD/ IPAD SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magstripe, 3 track, ANSI/ISO/AAMVA</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Display</td>
<td>Backlit color LCD</td>
<td>2-line display</td>
<td>LCD</td>
</tr>
<tr>
<td>EMV: EMV L1 and L2 contact</td>
<td>X</td>
<td>X</td>
<td>NA</td>
</tr>
<tr>
<td>NFC: EMV L3 Contactless</td>
<td>X optional</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Signature Capture</td>
<td>X optional</td>
<td>NA</td>
<td>X optional</td>
</tr>
<tr>
<td>Interface</td>
<td>USB or Ethernet</td>
<td>microUSB w/Bluetooth 4.0 BLE, or microUSB w/ iOS 30-pin</td>
<td>USB</td>
</tr>
<tr>
<td>Compliance</td>
<td>PCI PTS 3.x, SRED</td>
<td>PCI PTS 3.x, SRED</td>
<td>PCI PTS 2.x</td>
</tr>
<tr>
<td>Triple DES Encryption, DUKPT</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Remote Services</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>MagneSafe™ Security Architecture</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

---

**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)

---

**INTERFACE**

- Interfaces: USB 2.0 (USB 1.1 compatible)
- Connection: USB, 6 ft cable (1.8 m)

---

**MECHANICAL**

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

**ENERGIZED CURRENT**

- CURRENT: 100mA (500mA max.)

---

**BATTERY**

- LIFE: 18 month shelf life
- TYPE: Lithium
- NOTE: Plug in to maintain life
- POWER: USB bus powered
- VOLTAGE: 5VDC
- CURRENT: 18 month shelf life

**LOGICAL**

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

**PRIVACY SHIELD** (Optional)

- Optional privacy shield available

---

**MAGTEK**

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 checkout scanners, PIN pads and distributed credential personalization systems for secure magstripe and EMV encoded 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.

MagTek Inc. | www.magtek.com |