



## Card Personalization Devices

### Instant Card Issuance Solutions

Your cards need to reflect your brand, whether it is a relaxing spa getaway, deluxe casino or corporate government offices. MagTek provides the hardware and software solutions to deliver cards instantly to your customers, guests, student body, or employees instantly and securely. MagTek solutions always deliver speed and efficiency with the most comprehensive security possible that is both flexible and scalable, meeting your needs today and into tomorrow. A more secure brand enhances user experience and builds customer loyalty.



**ExpressCard 3000**  
Card Personalization Device with magstripe/smart card personalization, embossing, printing, tipping, and indent printing



**ExpressCard 500p**  
Card Personalization Device with encoding and flat card printing

**IntelliStripe 380**  
Card Personalization Device with encoding



**QwickCards**  
Cloud-based software solution for instant issuance of cards

### Lasting Loyalty Cards (Casinos, Cruises, Resorts, Spas)

Casinos, cruise lines, resorts and spas all know the benefits of loyalty cards. Loyalty cards help provide better service and deliver more direct rewards, comps and offers. MagTek knows that more information gives you better data, so you can increase revenue and make better decisions. Not only do we provide the hardware, software and services you need to instantly present your customers with vibrant custom cards (their own picture placed directly on their loyalty card), MagTek solutions can prevent counterfeit card use.

### Key Cards that Open More than a Room

Hospitality is more than providing a place to sleep, it is creating a positive experience away from home. Maintain a personalized experience for your guests with personalized cards that not only open the door to their room, but open them to earning rewards during their stay. Key cards open the doors to facilities, pools, dining areas, work-out rooms, spa services and more, enabling you to offer special discounts and comps that could earn guests a return visit. The ability to use magstripe cards, a low cost solution, allows you to easily provide a more personalized visit, every time guests return.



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

## Gift Cards

Place personalized gift cards directly into your customers' hands. Not only will the giver feel better about customizing the gift card for the recipient, the recipient will appreciate a more thoughtful gift.

## Co-Branded Cards

Merchants know that co-branded cards attract customers and increase loyalty. With MagTek card personalization devices you can earn top-of-wallet placement, with brilliant graphics that are instantly delivered to your customer's hand. Our scalable solutions meet current market needs and support new card issuing trends including smart cards, contactless cards, flat cards and photo cards. This keeps you ahead of your competition and provides a higher level of service that customers will appreciate.

## Campus ID and Debit Cards

Whether it is a government facility or college, campus cards provide a secure and reliable way to identify cardholders and allow access to facilities, offices, dining halls, and residence halls. Campus cards can also provide a debit card which can be used for on-campus purchases. Secure the identities and purchasing power of those on your campus with MagTek hardware and service solutions. Our solutions reliably detect counterfeit cards in real-time when coupled with Magensa fraud detection services.

MagTek's key differentiator is "Security from the Inside." Since our founding in 1972, MagTek has been a leading secure payment solution provider in the industry. The exclusive feature that continues to set MagTek apart is our MagneSafe Security Architecture. In addition to 3DES encryption and DUKPT key management, MagTek offers a proprietary, real-time card authentication technology called MagnePrint that generates dynamic data with every transaction. MagneSafe Security Architecture allows our partners to exceed PCI DSS standards.

## Enhance Operator Experience

MagTek's hardware and software is built for ease-of-use, reducing training time and delivering an enhanced user experience for your own team. This will carry forward to your customers and guests, who will receive personalized cards that are high quality, reliable, and created quickly and simply.

## Simplify Integration and Implementation

MagTek consultants will work with you to provide a custom turnkey solution so you don't have to build extraneous support, with scalability via dynamic provisioning of resources, secure multi-tenancy and around the clock performance monitoring.

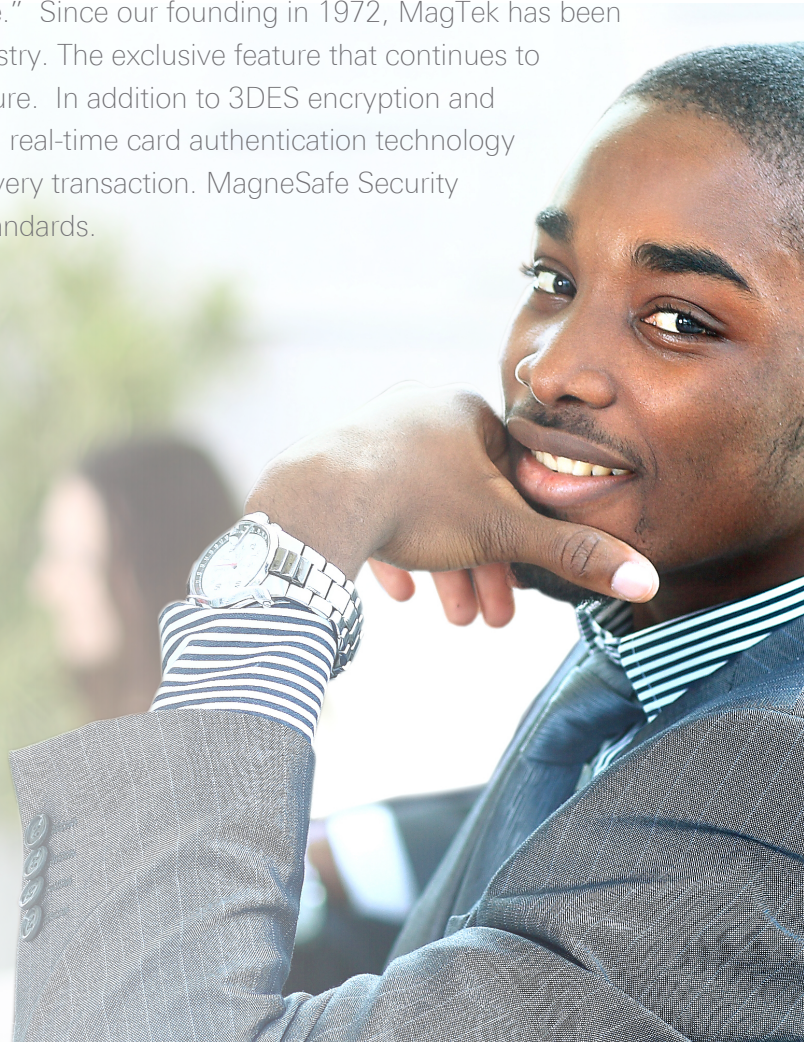
MagTek also offers a complete API and SDK solution for easier integration and faster implementation.

## MagneSafe® Security Architecture

The MagneSafe Security Architecture (MSA) is a foundation you can build on. The MSA has evolved exponentially from its inception in 2006 when MagTek delivered the industry's first Secure Card Reader Authenticators (SCRAs) for secure electronic transactions. The MSA is a digital identification and authentication architecture that safeguards customers and their personal data. Designed to exceed PCI regulations, MSA leverages strong encryption, secure tokenization, counterfeit detection, tamper recognition, data relevance and integrity, and dynamic digital transaction signatures, which together validate and protect the entire transaction and each of its components.

A key feature of the MSA is MagnePrint® card authentication, a patented, proven technology which reliably identifies counterfeit magnetic stripe cards at the point-of-swipe, before fraud occurs. MSA's multi-layer security provides unmatched protection and flexibility for safer on-line transactions.

No other solution in the market today is able to do everything that MagneSafe does in one easy-to-implement, scalable, cost-effective solution. MagneSafe transforms the existing magnetic stripe card into a highly secured payment and identification token with proven ability to identify counterfeit cards and prevent card fraud.





## HARDWARE SOLUTIONS

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### ExpressCard 3000

#### (Perso, MSA, Embossing)

Increase card usage and improve security, while enhancing customer and guest satisfaction with ExpressCard 3000. This compact device gives your locations the convenience of instant card issuance for financial, loyalty and ID cards, with the security of MagTek's advanced MSA. Meet current market needs and support new card issuing trends, including smart cards, contactless cards, flat cards and photo cards.

ExpressCard 3000 boasts 7 card hoppers and can securely, fully personalize any CR-80 sized card in as little as 90 seconds. The device offers encoding, embossing, indent printing, and foil tipping with full color, double-sided card printing. MagTek's QwickCards cloud-based software (and a wide range of third party software solutions) support ExpressCard 3000, creating a complete, secure instant issuance system for distributed locations that can be maintained and controlled centrally. You can inspire loyalty and increase card usage while offering the custom personalization you need to distinguish yourself from your competitors. Additionally, ExpressCard 3000 has an updated printer with RFID capability to recognize new printing ribbon.

### ExpressCard 500p

#### (Perso, Flat Card Issuance)

The ExpressCard 500p delivers dual-sided, wear-resistant color printing, magstripe encoding, and contact and contactless smart card personalization all in one device. The ExpressCard 500p works in a variety of applications (including payment cards, loyalty and ID cards) and produces personalized, premium-quality cards. The printer's flexibility, and ease-of-use coupled with affordable consumables makes the ExpressCard 500p an excellent choice.

The ExpressCard 500p offers world-class technology that supports the most stringent standards for printing and encoding of magnetic stripes. With full graphic and image support, users can cost-effectively offer custom pictures and graphics.

### IntelliStripe 380 Motorized Encoder

#### (Encoding)

Instantly issue cards to customers and guests. The IntelliStripe 380 Encoder (IS380) is a highly reliable motorized device that reads and encodes magnetic stripe and EMV smartcards with precision. Its compact footprint, rugged design, and low audible noise make it a perfect choice for motorized card issuance at schools, businesses, and government environments.

A single card-slot design simplifies user interface, and a smooth mechanical card transport ensures fast, reliable, and high-quality encode operations. A dual-color red/green LED provides clear status indications to the operator. Power-fail card-return, and manual card-eject features ensure that a consumer's card can easily be retrieved under any conditions. The IS380 provides reliable encoding that is easy to implement, secure and durable.

## SOFTWARE SOLUTION

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### QwickCards

#### (Cloud-Based Software)

Couple MagTek devices with MagTek's QwickCards cloud-based solution for faster deployment and scalability of services and resources, that can be maintained and controlled centrally, depending on your individual custom needs. QwickCards removes the complexities of managing the security, expense and ongoing maintenance of in-house systems and software.

QwickCards requires no software installation and provides easy to use and navigate web screens to make instant card issuance simple and fast. It is hosted on Magensa™, the world's largest open transaction authentication service. QwickCards allows for an unlimited number of users and card types with an easy to use administration dashboard that gives each user the flexibility to manage their own card issuance program.

QwickCards leverages MSA, which safeguards customers and their personal data. QwickCards is based on the latest hardware including encrypting PIN entry devices (PCI PED 2.x/3.x, SRED) and host security modules that are FIPs 140, level 3 compliant.



**MAGTEK**<sup>®</sup>  
SECURITY FROM THE INSIDE



# Specifications

	IntelliStripe 380	ExpressCard 500p	ExpressCard 3000
<b>Capabilities</b>			
<b>Encode Magstripe</b>	ANSI/ISO/AAMVA/CDL; HiCo/LoCo read/write per ISO 7810, 7811; Tracks 1, 2, 3	ISO 7811; HiCo/LoCo or JIS2; Tracks 1, 2, and 3	ANSI/ISO/AAMVA/CDL; HiCo/LoCo read/write per ISO 7810, 7811; Tracks 1, 2, and 3
<b>Encode EMV Smartcard</b>	ISO 7816 and EMV L1 standards using either T=0 or T=1 protocols. MEMORY CARD: SLE 4404, 4418, 4428, 4442, 4443, and I2C families.	EMV optional	ISO 7816-1, -2, and -3; EMV smartcard contact module per ISO 7816, EMV L1
<b>Print</b>	NA	Enhanced color management system; Dual-sided	300 dpi Up to 16.7 million colors / 256 shades per pixel
<b>Fonts</b>	NA	Arial 100, Arial bold 100	TrueType fonts from on-board Windows drivers
<b>Method</b>	NA	Dye-sublimation and monochrome thermal transfer; Integrated ribbon save; monochrome	Dye-sublimation resin thermal transfer
<b>Resolution</b>	NA	300 dpi; (11.8 dots/mm)	300 dpi - 600 dpi (dbl run)
<b>Emboss/Tipping/Indent</b>	NA	NA	Foil-tipped embossing; Rear and / or front indent; Embossing per ISO/IEC pubs: 7810, 7811-1 -6
<b>Security</b>	Optional Tamper Switch	Kensington Lock Anchor, lockable hopper	LOGICAL: MagneSafe Security Architecture, MagnePrint reference capture module PHYSICAL: 3/8" chassis anchor hole for desktop / counter mounting ring-shaped security anchor
<b>General</b>			
<b>Card Hopper</b>	Single input/output hopper	1 output, 1 input hopper, 1 card rejection bin	7 automatic card hoppers (100 cards per) (locked); 1 manual feed hopper; 1 output hopper (card complete or reject)
<b>Platform</b>	Windows™ XP, 2003, Vista and 7, 32 & 64 bits	Windows®: XP SP3 32/64, Vista 32/64, W7 32/64, W8 32/64; Mac OS X (Intel® processor 10.5+)	Windows™ 10
<b>Card Stock</b>	CR-80 and CR-79 cards that meet ISO 7810-, 7811-, or 7816-, card thickness of 0.027" to 0.033"	CR-80: 3.370"L x 2.125"W (85.6 mm x 54 mm); PVC or polyester cards with polished PVC finish; monochrome resin required for 100% polyester cards; optical memory cards with PVC finish; CR-79 adhesive back (3.303x2.051"/83.9x52.1mm)	EC3000 is designed to use card stock that meets the specifications listed ISO/IEC 7810 and IEC/ISO 7811-1 through 7811-6. PVC, Optical memory cards with PVC finish Polyester cards with polished PVC finish (monochrome only) CR80 (3.370"L x 2.125"W / 85.6 mm L x 54 mm W)
<b>Interface</b>	USB 2.0 (internal); RS232, USB port (cable supplied); Single cable with remote power pack. MagTek MCP protocol; MagTek MCP commands	USB port (cable supplied)	Ethernet 100 base-T (external); USB 2.0 (internal)
<b>Memory</b>	Flash programmable	16 MB RAM	
<b>Recommended production</b>	Recommended duty cycle for 50 cards per day/15,000	Recommended duty cycle for 50 cards per day/15,000 cards per year	Recommended duty cycle for 50 cards per day/15,000 cards per year
<b>Status indicators</b>	Dual color LED status indicator	LED status indicator	LED status indicator, LCD touchscreen
<b>Electrical</b>			
<b>Input Voltage/Power</b>	Power routed via communications cable. +12 VDC ± 5 %; current 300 mA	100 to 240 V AC at 50 to 60 Hz, 1.8 Amps, Printer: 24 V DC, 3 Amps	100 VAC to 240 VAC at 50 or 60 Hz (Auto-adjusting)
<b>Mechanical</b>			
<b>Dimensions</b>	L: 8.44" x W: 4.47" x H: 3.85" L: 211.008 mm x W: 111.754 mm x H: 97.79 mm)	Size (H x W x D): 247x205x381mm (9.72"x8.07"x 14.99"); With reject tray: 247x205x481mm (9.72"x 8.07"x18.93")	L: 24.7" x W: 26.8" x H: 15.1" L: 627mm x W: 680mm x H: 384mm
<b>Weight</b>	2 lbs (0,9072 kg)	4.02 kg (8.86 lbs)	88 lbs. (39.9 kg)
<b>Environmental</b>			
<b>Temperature (operating)</b>	41 °F - 113 °F (5 °C - 45 °C)	59°F - 86°F	65°F to 80° F (18°C to 27°C)
<b>Temperature (Storage)</b>	-40 °F - 158 °F (-40 °C - 70 °C)	23°F - 158°F	30° F to 100° F (-1.1°C to 37.8°C)
<b>Humidity (operating)</b>	5% - 95% non-condensing	20% - 65%, non-condensing	20% to 80% w/o condensation
<b>Humidity (storage)</b>	5% - 95% non-condensing	20% - 70%, non-condensing	90% or below
<b>Operating ventilation</b>	Free air	Free air	Free air



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.