



ExpressCard 3000

Instant issuance for magstripe and EMV dual interface contact and contactless card chip sets

The Next Generation of ExpressCard is here

ExpressCard 3000 is easier to use, has a higher reliability rate, uses the latest in RFID technology for consumables, has enhanced operation, maximized up time, and improved print capability, all with MagneSafe security.

Improved print capability

The new printer in ExpressCard 3000 delivers even better print capability. ExpressCard 3000 uses new consumables that use RFID technology so your device knows when consumables have been replaced and updated. The printer reads the RFID tags, making adding and changing printer cartridges easier than before.

Enhanced Reliability and Durability

Engineered for excellence, ExpressCard 3000 has taken all that was good in ExpressCard 2000 but made it more reliable, more durable, and better than ever. The exit transport, card transport, and hoppers have been enhanced for even better print success.

Updated OS Interface

ExpressCard 3000 includes a Windows 10 operating system. This brings all of the newest and latest OS enhancements and security settings you need and does not require your institution to be on Windows 10. Still works with your Windows 7 or Windows 10 computer and brings your interface to the next level.

Benefits of ExpressCard 3000 Instant Issuance Increase Card Activation

Increase card activation and usage while enhancing cardholder satisfaction and security with ExpressCard 3000. Its 7 card hoppers make it easy to securely, personalize a variety of cards including credit, debit, ATM, gift, loyalty, or membership cards in as little as 90 seconds. ExpressCard 3000 is scalable to meet

your needs by delivering options, including an emboss-only device, a flat print-only device, or full personalization that includes embossing, indent printing, foil tipping, full-color image printing, and encoding of magstripes, or EMV contact/contactless smart cards, all in one compact card personalization device.

Premier Production that Earns Top-of-Wallet

ExpressCard 3000 gives your customers the freedom to express themselves, with dual-sided printing, multi-colored tipping and indent printing. ExpressCard 3000 is a cost-effective solution that produces cards that are attractive, durable and wear-resistant with unique images.

Offer permanent new cards or emergency replacement cards instantly at the branch, eliminating card mailers. Instant card issuance and card personalization provides a higher level of service that existing customers will appreciate, and will attract potential customers. Create a lasting return on investment with increased card sales revenue, card activation, and inspired customer loyalty.

Embossed Card Advantage

Financial Institutions need to maintain customers and increase sales opportunities. A key way to attract new customers and maintain current customers is to provide value-added services including embossed, instantly issued bank cards, credit cards, ATM cards and debit cards. In order to make this financially beneficial for banking institutions costs need to be reduced and revenue streams need to be increased. The instant issuance hardware and services offered by MagTek deliver both reduction in cost and increase in revenue. Embossed cards are accepted globally, provide cards that better coordinate with central production for a consistent brand image, and lower the costs of consumables.

- **Accepted Globally:** Embossed cards are accepted globally in electronic and non-electronic environments. According to



association rules e.g. Visa and MasterCard, flat cards are for electronic use only.

- **Branch Production Consistency:** Provides brand consistency regardless of delivery channel and is consistent with current customer expectations.
- **Lower Cost Consumables:** Studies have found that the total cost of ownership is lower when performing embossing only.

Improve Cross-Selling Opportunities

ExpressCard 3000 is supported by QwickCards, MagTek's easy-to-deploy, cloud-based card issuance service, which allows institutions to focus on cross-selling opportunities, rather than managing complicated systems and software. QwickCards is PCI compliant so customers can be assured that sensitive card data is protected. Alternatively, financial institutions can develop custom solutions using ExpressCard 3000's easy-to-use API.

Strong Security for Authentic Transactions

ExpressCard 3000 exceeds the physical and logical security required to comply with the guidelines for instant issuance published by Visa and MasterCard. The MagneSafe Security Architecture provides a layered approach with dynamic data, encryption, tokenization and authentication, backed by MagnePrint® card authentication technology. ExpressCard 3000 offers unprecedented card security by transforming cards into unique verifiable tokens allowing for immediate detection of altered or counterfeit cards at point-of-sale, web banking or in the branch.

Physical Security	Logical Security
Hard Mounting Points	Dual Control Passwords
Card Access Door	Optional Card Swipe
Locking cover	Device Certificate Authentication
Locking service cover	MagnePrint reference capture
Internal Reject hopper	XML over HTTPS
Steel barrel lock and key	128 bit encryption
	Ethernet only communications
	Inventory management
	Secure, electronic inventory audit capability

Service You Can Count On

Limit downtime using MagTek's premier nationwide installation, training and service coverage. Our technicians receive continuous training and certification of competencies. We partner with recognized service providers for national on-site repair, maintenance, warranty support, preventative maintenance, managed deployments, professional equipment installation, moves, additions, changes and technical training. The On-Site Service Agreement provides you with the support you need to keep your operations up and running and your costs to a minimum.

Specifications	
Capabilities	
Card Encoding	MagnePrint reference capture module. Chip card contact module per ISO 7816, EMV L1 3-track magnetic stripe encoder per ISO 7810 / 7811 (HiCo or LoCo cards)
Card Reading	Magnetic Swipe Rail (MSR) supported formats: Magnetic Stripe: ANSI/ISO/AAMVA/CDL tracks 1/2/3 Chip Card: ISO 7816-1, -2, and -3
Printing Technology	Color / monochrome via dye-sublimation resin thermal transfer
Fonts	TrueType fonts from on-board Windows drivers
Method	Dye-sublimation resin thermal transfer
Resolution	300 dpi Up to 16.7 million colors / 256 shades per pixel
Emboss/ Tipping/Indent	Foil-tipped embossing; Rear and / or front indent; Embossing per ISO/IEC pubs: 7810, 7811-1 -6
Security	LOGICAL: MagneSafe Security Architecture, MagnePrint reference capture module PHYSICAL: 3/8" chassis anchor hole for desktop / counter mounting ring-shaped security anchor
General	
Card Hopper	7 automatic card hoppers (100 cards per) (locked); 1 manual feed hopper; 1 output hopper (card complete or reject)
Platform	Windows™ 10
Accepted Card types and sizes	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)
Interface	Ethernet 100 base-T (external); USB 2.0 (internal)
Duty cycle	50 cards per day (15,000 cards per year)
Status indicators	LED status indicator, LCD touchscreen
Electrical	
Input Voltage/ Power	100 VAC to 240 VAC at 50 or 60 Hz (Auto-adjusting)
Mechanical	
Dimensions	L: 24.7" x W: 26.8" x H: 15.1" L :627mm x W: 680mm x H: 384mm
Weight	88 lbs. (39.9 kg)
Environmental	
Temperature (operating)	65°F to 80° F (18°C to 27°C)
Temperature (Storage)	30° F to 100° F (-1.1°C to 37.8°C)
Humidity (operating)	20% to 80% w/o condensation
Humidity (storage)	90% or below
Operating ventilation	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. MagTek is headquartered in Seal Beach, CA. For more information, please visit www.magtek.com.