MAGTEK®
SECURITY FROM THE INSIDE

DynaProx & DynaProx BCR

Advanced Generation Touchless Payment Acceptance

DynaProx
Near field communication module

DynaProx BCR
Near field communication module with barcode reader

DynaProx Stand
Optional stand for both models, standard model shown here.

Engineered Security

DynaProx and DynaProx BCR deliver the next generation in touchless payment acceptance combining the controller and antenna in a small form-factor design. DynaProx readers are best suited for original equipment manufacturers (OEMs), merchants, banks, and other developers looking to build a secure payment, and identification and authentication solution that reads and accepts barcodes, EMV Contactless, and NFC data.

Ideal for kiosks, vending machines, unattended payment terminals, and even countertop deployment with the optional stand, touchless payments and barcode scanning are made fast, reliable, and secure.

DynaProx and DynaProx BCR are equipped with the next generation of security and the MagneSafe® Security Architecture (MSA). The design and architecture meet the requirements for contactless EMV 3.0, PCI PTS POI v6.0, and support triple DEA encryption with DUKPT Key Management.

Call a representative to learn more: +44 (0)1793 780773

Key Features

DynaProx and DynaProx BCR are easy to install and configure, with key features that include:

- Contactless EMV 3.0 approved
- PCI PTS POI v6.0 approved
- Optical reading for many 2D and 1D barcodes including PayPal and Venmo - *DynaProx BCR model required*
- Transducer for audio cues
- USB 2.0 (Type C) or RS-232 interface
- Hard mounting points to match common kiosk and ATM Bezel mounts
- Optional countertop stand
- Flexible cable management
- Triple DEA encryption/DUKPT key management
- Impact protection - IK 09
- Ingress protection - IP 65
- UV resistant plastic

Build for New Markets

Touchless payments are fast, convenient, and meet the needs of new growing markets. Major banks and card issuers are investing in contactless EMV cards and other barcodes. Combined with the rise of mobile wallets like Apple Pay®, Samsung Pay℠, Google Pay™, and others, there are major opportunities to deliver a reliable and affordable contactless EMV, NFC, and barcode reading device that is used in a variety of deployment scenarios.

Easier Integration

Designed to simplify development efforts, DynaProx and DynaProx BCR are available with either a USB or RS-232 interface (with power provided over USB or separately powered for RS-232) and are compatible with Windows and Android applications. The beeper provides auditory feedback to cardholders and operators delivering a more universal appeal.

Contact a representative to find the best fit for your application and to request the software developer kits (SDKs) and application programming interfaces (APIs).

Payment methods	
Magstripe secure card reader authenticator Triple track (TK1/2/3); bidirectional read ISO 7810, 7811; AAMVA driver licenses	NA
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	NA
EMV contactless EMVCo L1 and L2 Contactless Reader; D-PAS, PayPass/ MCL, payWave, Expresspay; Mobile wallets including but not limited to Google Play™, Samsung Pay℠, Apple Pay ®	Yes EMV Contactless Off-line Data Authentication Support (ODA)
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 (Type A/B); D-PAS, PayPass/MCL, payWave, Expresspay; Mobile wallets including but not limited to Google Play™, Samsung Pay℠, Apple Pay ®	Yes and Enhanced L1 Polling Loop
Barcode / BCR models only QR Code (color encoded, logo-based), Linear Barcodes, UPC-A, UPC-E, Aztec, EAN-13, Code 39, Code 128, PDF417/ Data Matrix, etc.	Yes BCR model only
Reliability and Operation	
MSR / SCRA swipes	NA
EMV insertions	NA
Operating System Compatibility	Windows and Android
CPU and memory	Non-volatile
Status and audio indicators	Status LEDs and audio
General	
Connection Method	USB 2.0 (type C) or RS-232
Wireless connection (Frequency 2.4 MHz)	NA
Interface	USB 2.0 / RS232
Display	NA
Secure Keypad	NA
Optional Accessories	Countertop stand
Magensa Services	Gateway, Remote, Token
Electrical	
Battery	RTC (real time clock - battery)
Current and Power	5V USB power. Powered separately for RS 232.
Security and Certifications	
Compliance	FCC, CE, UL, UKCA, ROHS32-REACH, MC TQM, EMV 3.0, PCI PTS 6.0
PCI, SRED	PCI PTS POI v6.0 SCR
MagneSafe Security Architecture	Encryption, Tokenization, Authentication, Dynamic Data
Encryption	TDEA/DUKPT
Tamper	Evident/Resistant/Responsive
Impact Resistant	IK 09
Mechanical	
Dimensions L x W x H or L x W x D	2.2 x 2.2 x 0.5 in (55.88 x 55.88 x 12.7 mm)
Weight DynaProx and DynaProx BCR	~ 64 grams
Mount/Stabilizer	Hard mounting point to match common ATM Bezel mounts (1.4 x 1.25 inch hole pattern) Optional countertop stand

Environmental		
	DynaProx	**DynaProx BCR**
Temp - Operating	-30°C to +85°C (-22°F to 185°F)	-20°C to +55°C (-4°F to 131°F)
Temp - Storage	-30°C to +85°C (-22°F to 185°F)	-30°C to +70°C (-22°F to 158°F)
Humidity - oper. & storage non-condensing	5 - 90% RH	5 - 90% RH
Ingress Protection	IP 65	IP 65

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Founded in 1972, MagTek is a leading manufacturer of electronic systems for the reliable issuance, reading, transmission and security of cards, barcodes, 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, Qwantum secure cards, token generators, EMV contact, contactless, barcode 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, payment processors, and ISVs to provide secure and efficient data privacy, as well as 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.