



## DynaProx & DynaProx BCR

### Advanced Generation Touchless Payment Acceptance

#### Engineered Security

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

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

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



**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.



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



## 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.x approved
- Optical reading for many 2D and 1D barcodes including PayPal and Venmo - **DynaProx BCR model required**
- Transducer for audio cues
- USB or RS-232 interface
- Hard ATM and common kiosk matching mounting points
- Optional countertop stand
- Flexible cable management
- Triple DEA encryption/DUKPT key management
- Impact protection - IK08
- Ingress protection - IP66
- UV resistant plastic
- RFID and Mifare

## 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<sup>SM</sup>, Google Pay<sup>TM</sup>, 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).

Specifications	
<b>Payment methods</b>	
<b>Magstripe secure card reader authenticator</b> Triple track (TK1/2/3); bidirectional read ISO 7810, 7811; AAMVA driver licenses	NA
<b>EMV chip contact</b> EMVCo L1 and L2 ISO/IEC 7816	NA
<b>EMV contactless</b> EMVCo L1 and L2 Contactless Reader	EMVCo L1 and L2 Contactless Reader Apple VAS, D-PAS, PayPass/MCL, payWave, Expresspay Mobile wallets including but not limited to Google Play, Samsung Pay, Apple Pay
<b>NFC contactless / mobile wallets</b> ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	
<b>Barcode Reader (BCR)</b> Barcode Types: QR Codes, Linear Barcodes, UPC-A, UPC-E, Code 128, PDF417 / Data Matrix, Aztec, etc. Field Of View 31.5° total vertical sweep, 42° total horizontal sweep, perpendicular to device face	Yes <b>BCR model only</b> Depth Of Field 1.2 in. (30mm) to 13.8 in. (350mm) Integrated white indicator LED
<b>Reliability and Operation</b>	
<b>MSR / SCRA swipes</b>	NA
<b>EMV insertions</b>	NA
<b>Operating System Compatibility</b>	Windows 10, Android 4.4.2 and above
<b>CPU and memory</b>	Non-volatile
<b>Status and audio indicators</b>	4 Monochrome Green LEDs and Audio
<b>General</b>	
<b>Connection Method</b>	USB / RS-232
<b>Wireless connection</b> (Frequency 2.4 MHz)	NA
<b>Interface</b>	USB / RS232
<b>Optional Accessories</b>	Countertop stand
Magensa Services	Gateway, Remote, Token
<b>Electrical</b>	
<b>Battery</b>	RTC (real time clock - battery)
<b>Current and Power</b>	See installation guide PN D998200490 for details
<b>Security and Certifications</b>	
<b>Compliance</b>	FCC, CE, UL, UKCA, ROHS32-REACH, MC TOM, EMV 3.0, PCI PTS POI v6.x
<b>PCI, SRED</b>	PCI PTS POI v6.x
<b>MagneSafe Security Architecture</b>	Encryption, Tokenization, Authentication, Dynamic Data
<b>Encryption</b>	TDEA/DUKPT
<b>Tamper</b>	Evident/Resistant/Responsive
<b>Impact Resistant</b>	IK 08
<b>Mechanical</b>	
<b>Dimensions</b> L x W x H or L x W x D	2.09 in. x 2.52 in. x .72 in. (53mm x 64mm x 18.5mm)
<b>Weight</b> DynaProx and DynaProx BCR	DynaProx = 2.0 oz. (56g) DynaProx BCR = 2.0 oz. (58g)
<b>Mount/Stabilizer</b>	Hard mounting point to match common ATM Bezel mounts (1.4 x 1.25 inch hole pattern) Optional countertop stand

Environmental		
	DynaProx	DynaProx BCR
<b>Temp - Operating</b>	-30°C to +85°C (-22°F to 185°F)	-20°C to +55°C (-4°F to 131°F)
<b>Temp - Storage</b>	-30°C to +85°C (-22°F to 185°F)	-30°C to +70°C (-22°F to 158°F)
<b>Humidity - oper. &amp; storage non-condensing</b>	5 - 90% RH	5 - 90% RH
<b>Ingress Protection</b>	IP66	IP66
<b>RF Exposure</b>	Exempt from SAR requirements due to radiated power substantially below regulatory thresholds	