

DynaProx

MMS DynaDevice, PCI 6.x, SRED, Tap

Tap into Security

DynaProx delivers the next generation in contactless payment acceptance, access control, authentication, and loyalty by combining the controller and Near Field Communication (NFC) antenna in a small form-factor. DynaProx devices are ready to accept barcodes (BCR devices) only, EMV Contactless, NFC Contactless, MIFARE, MIFARE DESFIRE, and NTAG transactions.

OPERATING SYSTEMS

- Android
- iOS (using USB iAP2 ONLY)
- Linux
- Windows

ACCEPTED TRANSACTIONS

- EMV Contactless
- NFC Contactless
- Apple VAS®
- Apple Pay®, Google Pay™, Samsung PaySM
- MIFARE®, MIFARE®
- DESFire®, NTAG®



DynaProx
Near field communication module



DynaProx BCR
Near field communication module with
barcode reader

DynaProx readers are the perfect solution for independent software vendors (ISV), original equipment manufacturers (OEMs), merchants, banks, and other developers looking to build a secure payment, identification, and authentication solutions. Ideal for kiosks, vending machines, unattended payment terminals, and countertop deployment with the optional stand, contactless payments, barcode scanning, and access control are made fast, reliable, and secure.

Compliance and More

DynaProx is equipped with the next generation of security with Quantum Securty™. 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 and AES 128/256 encryption with CMAC authentication.

Built for New Markets

Contactless payments are fast, convenient, and meet the needs of new growing markets. Major banks and card issuers are investing heavily in contactless EMV Contactless Cards and alternative payment solutions. 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.

To get started contact:
retail.solutions@magtek.com

Easier Integration

Designed to simplify development efforts, DynaProx is available with either a USB, USB iAP2, or RS-232 interface (with power provided over USB or separately powered for RS-232) and are compatible with Android, Linux, Windows, and iOS applications. The beeper provides auditory feedback to cardholders and operators delivering a more universal appeal. And the ability to accept payment and non-payment data broadens its capability.

Key Features

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

- Contactless EMV 3.0 approved
- Contactless NFC MIFARE Classic, MIFARE DESFire, NTAG
- PCI PTS POI v6.x approved
- BCR devices: optical reading for many 2D and 1D barcodes including PayPal and Venmo
- Transducer for audio cues
- USB, USB iAP2, RS-232 interface
- Hard ATM and common kiosk matching mounting points
- Optional countertop stand
- Flexible cable management
- Triple DEA encryption/DUKPT key management
- AES-256 encryption with CMAC authentication
- Impact protection - IK08
- Ingress protection - IP66
- UV resistant plastic



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

Contact Us Today

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

Specifications		
Transaction Acceptance		
Magnetic Card Swipe Reader	NA	
EMV Contact Chip	NA	
EMV Contactless	EMVCo L1 and L2 Contactless Reader EMV Contactless Level 1 Version 3.0 D-PAS, PayPass/MCL, payWave, Expresspay	
NFC Contactless / Mobile Wallets	Mobile wallets including but not limited to Google Play, Samsung Pay, Apple Pay; Wallet protocols: Apple Vas and Google SmartTap	
NFC Contactless	MIFARE, MIFARE DESFire, NTAG	
Barcode Reader (BCR) BCR devices only	Barcode Media: Labels, paper, smartphone / computer displays; Barcode Types: QR Codes, Linear Barcodes, UPC-A, UPC-E, Code 128, PDF417 / Data Matrix, etc.; Field Of View 31.5° total vertical sweep, 42° total horizontal sweep, perpendicular to device face; Aztec; Depth Of Field 1.2 in. (30mm) to 13.8 in. (350mm); PayPal and Venmo	
Reliability and Operation		
Operating System Compatibility	Android, iOS, Linux, Windows	
CPU and memory	Non-volatile	
Status and audio indicators	4 Monochrome Green LEDs and Audio, audio	
General		
Connection and Interface	USB, RS-232, USB iAP2	
Optional Accessories	Countertop stand	
Magensa Services	L3 Certified Gateway, Remote Services, Tokenization, Encryption, Authentication	
Electrical		
Battery	RTC (real time clock - battery)	
Current and Power	See installation guide PN D998200490 for details	
Security and Certifications		
Compliance	FCC, CE, UL, UKCA, ROHS32-REACH, MC TQM, EMV 3.0, see installation and operation manual for complete list	
PCI, SRED	PCI PTS POI v6.x	
Security Architecture	Encryption, Tokenization, Authentication, Dynamic Data	
Encryption	TDEA/DUKPT and AES 128/256	
Tamper	Evident/Resistant/Responsive	
Mechanical		
Dimensions L x W x H	2.09 in. x 2.52 in. x .72 in. (53mm x 64mm x18.5mm)	
Weight	DynaProx = 2.0 oz. (56g); DynaProx BCR = 2.0 oz. (58g)	
Mount/Stabilizer	Hard mounting point to match common ATM Bezel mounts. 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 - Operating and Storage	5 - 90% RH non-condensing	5 - 90% RH non-condensing
Shock Resistance	IK08	IK08
Ingress Protection	IP66	IP66
RF Exposure	Exempt from SAR requirements due to radiated power substantially below regulatory thresholds	



BARCODE
FACTORY

Barcode Factory

A Paragon Print Systems Company

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