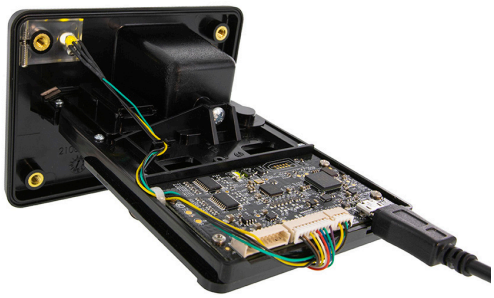
MAGTEK®
SECURITY FROM THE INSIDE

DynaDip Extended Bezel
Secure card reader authenticator with magstripe and EMV contact card reading.



DynaDip Flat Bezel
Secure card reader authenticator with magstripe and EMV contact card reading.

- Identification Cards and Financial Transaction Cards (ISO 7810, ISO 7811, ISO 7812, ISO 7813)
- Identification Cards Integrated Circuits with Contacts (ISO/IEC 7816-1, 2, 3, & 4)
- EMV ICC Specifications for Payment Systems Version 4.3, L1 Contact and L2 Contact
- Encryption: TDEA (3DES)-CBC using DUKPT
- FCC Title 47 Part 15 Class B
- CE Level B EMC
- CE Safety
- UR/CUR UL Recognized
- MasterCard TQM
- California Proposition 65 (California)
- IPC-A-610 Class II Assembly
- EU Directive Waste Electrical and Electronic Equipment (WEEE)
- EU Directive Restriction of Hazardous Substances (RoHS)
- Universal Serial Bus Specifications 1.1, 2.0

DynaDip for OEM Solutions

Hybrid Insert Secure Card Reader Authenticator

Engineering Easier Solutions

DynaDip makes upgrading your magstripe reading solution easier. Using the same basic form-factor and bezels as our P-Series secure card reader authenticator (SCRA), we have added contact EMV chip card reading technology without adding to the overall device footprint or changing its mounting points. Now both card reading devices connect to the host as one logical device over USB. If you want to add contactless card reading, DynaWave can also be connected to offer the most advanced payment acceptance technology in a small form-factor.

Delivering Flexible Solutions

Unattended kiosks, vending, parking garages, car wash establishments, ATMs, and fuels pumps can benefit from this cost-effective solution. DynaDip combines a 3-track magnetic stripe secure card reader authenticator with contact EMV chip card reading in a small form-factor. Add the contactless EMV/NFC capability with DynaWave, and you have one of the most secure and flexible hybrid card reading solutions in the market today.

Key Features

DynaDip is easy to install and configure, and has key features that include:

- USB interface allows for easy to use plug-n-play connectivity
- Optional separate NFC module connected to Auxiliary UART port
- Available with flat or extended bezel options

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Built for Easier Integration

DynaDip is supported with a variety of software developer kits (SDKs), application program interfaces (APIs), and Magensa Web Services that make integration easier and more secure. Magensa delivers the developer tools, browser and middleware applications, and remote services for configuration and key injection that make the integration process smoother and bring your solution to market faster. MagTek hardware, coupled with Magensa Services, delivers a powerful and cost-effective solution that can help you meet your PCI requirements.

The Next Generation of Security

DynaDip is equipped with the next generation of the MagneSafe Security Architecture. The MagneSafe Security Architecture has evolved exponentially from its inception in 2006 when it delivered the industry's first secure card reader authenticator for secure electronic transactions. The MSA is a digital identification and authentication architecture that safeguards 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.

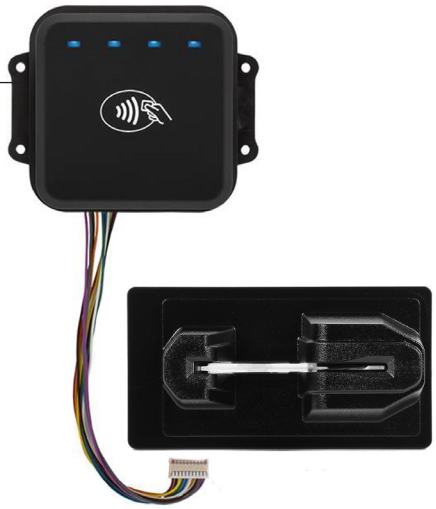
DynaDip EMV chip reader is EMV L1 and L2 certified and the magnetic stripe secure card reader authenticator leverages industry standard TDEA encryption with DUKPT key management.

Security and Certification Features:

- EMV L1 and L2
- Data Protection Triple DEA Encryption
- DUKPT Key Management
- MagneSafe Security Architecture
- Unique, Non-Changeable Device Serial Number
- MagnePrint® Card Authentication

DynaDip is Modular

Made to work with MagTek components, DynaDip works with DynaWave NFC module as an added component.



Payment methods	
Magstripe secure card reader authenticator Triple Track (TK1/2/3); Bidirectional read ISO 7810, 7811; AAMVA driver licenses	YES 6 ips to 60 ips
EMV chip contact EMVCo L1 and L2 ISO/IEC 7816	YES
EMV contactless EMVCo L1 and L2, EMV Level 1 /C-2/C-3/C-4/C-5 ISO/IEC 18092, ISO/IEC 14443 (Type A/B)	Optional
NFC contactless / mobile wallets ISO/IEC 18092, ISO/IEC 14443 | (Type A, Type B) C-1 / C-6/C-7 D-Pas®, PayPass™, payWave®, ExpressPay®, Apple Pay ®	Optional
Reliability and Operation	
MSR / SCRA swipes	1 Million
EMV insertions	500K
Compatible Operating System	Windows plug & play Android, Linux, Windows
CPU and memory	Non-volatile
Status indicators	Status LED
Device OS Compatibility	Windows
General	
Connection Method	USB or UART for DynaWave
Wireless connection (Frequency 2.4 MHz)	NA
Interface	USB
Display	NA
Secure Key Pad	NA
Optional Accessories	NA
Web services	Magensa Services
Electrical	
Charging	NA
Battery	NA
Current and Power	USB powered
Security and Certifications	
Compliance	FCC, CE, UL
Data protection TDEA encryption; DUKPT key management; MagneSafe Security Architecture; Unique, non-changeable device serial number	
Tamper	NA
Mechanical	
Dimensions	Flat bezel: 3.98 in. W x 2.70 in. H x 0.31 in. T (101.1mm x 68.5mm x7.9 mm) Extended bezel: 3.10 in. W x 1.65 in. H x 1.69 in. T (78.7 mm x 41.9mm x 42.8 mm)
Weight (Not including the optional DynaWave)	Flat bezel: 4.4 oz. (124g) Extended bezel: 3.6 oz. (102g)
Mount/Stabilizer	Solution-specific enclosure with card slot, screws, and inserts Optional mounting kit available for extended bezel model
Environmental	
Operating temp	-4°F to 149°F (-20°C to 65°C)
Operating humidity non-condensing	5% to 90%
Storage temp	-4°F to 149°F (-20°C to 65°C)
Storage humidity non-condensing	5% to 90%

MAGTEK®
SECURITY FROM THE INSIDE

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 digital identification, payment processing, and high-value electronic transactions.