MAGENSA™

A MAGTEK COMPANY

Magensa Decrypt & Forward

Payment Facilitation for Smarter, More Secure Transaction Data Packages

Encrypting and Manipulating Data

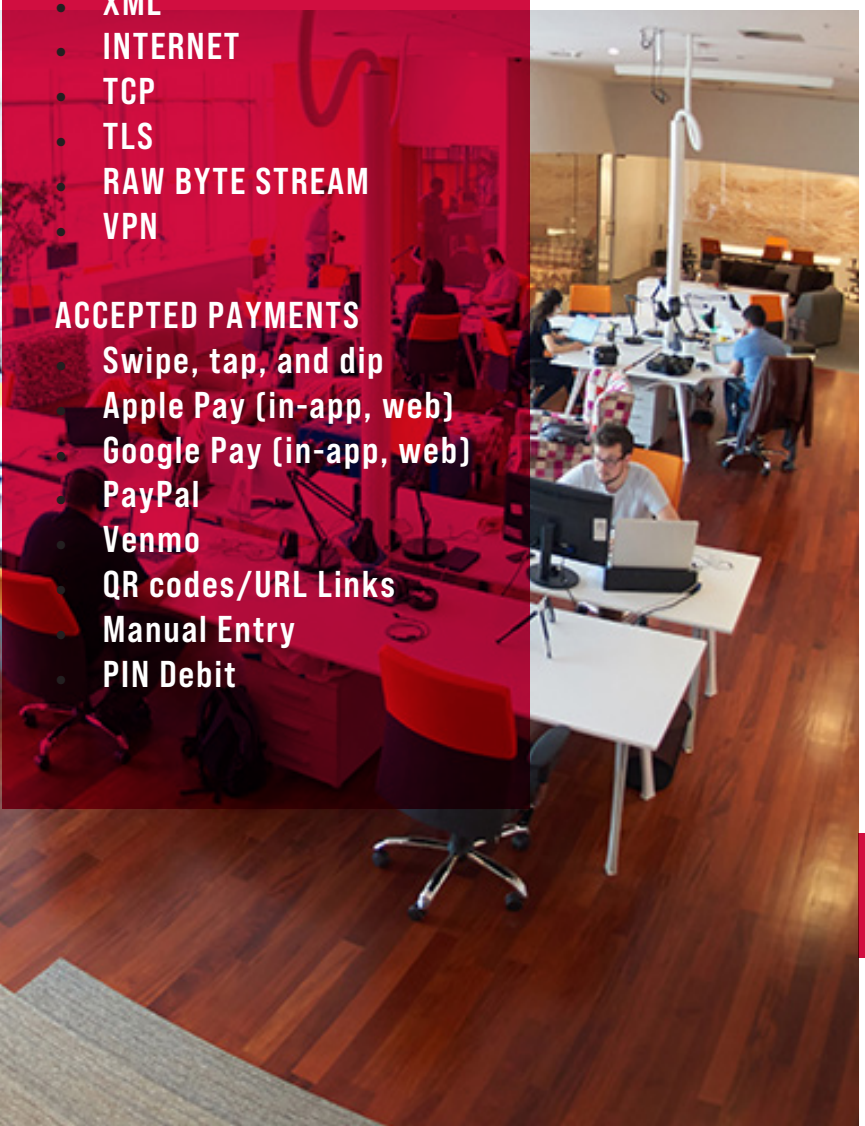
Magensa Decrypt and Forward Gateway Service allow system integrators and developers to support encrypted data in their payment application without third-party service providers supporting a decryption service. The terminal supplies the application programming interface (APIs) coupled with the encrypted data creating a smarter data package.

END POINTS

- HTTP
- XML
- INTERNET
- TCP
- TLS
- RAW BYTE STREAM
- VPN

ACCEPTED PAYMENTS

- Swipe, tap, and dip
- Apple Pay (in-app, web)
- Google Pay (in-app, web)
- PayPal
- Venmo
- QR codes/URL Links
- Manual Entry
- PIN Debit



Routing Manipulation

Magensa has functions to handle pattern matching and conditional processing; and is smart enough, following rule sets, to look at data and determine what to do with the data and how many endpoints need the data; allowing for routing manipulation that is unmatched in the industry. Anything our readers can read, via swipe, tap, dip, and scan, can be encrypted and secured with a variety of functions to manipulate the encrypted data.

Secure Transmission

Magensa Decrypt and Forward is smarter than your average gateway, since it allows for data manipulation with a variety of functions. It works with legacy platforms and old interfaces. Encrypted data is sent from the POS or central host along with the API block to Magensa for decryption. Magensa decrypts the data and keeps the API with the appropriate data set. Data is put into the format the processor needs and can learn sets of rules to send various data to various processors or third-party service providers.

Development Ready

Magensa Decrypt and Forward Gateway Services are recommended for big merchant organizations that process transactions and have a development team ready; and resellers or ISOs that work with merchants and are ready to determine the necessary data and customizable XML command sets required.

To get started contact:
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Use Case

The Challenge

In order to keep up with PCI regulations, a retailer needed to start accepting and taking encrypted cardholder data. Being a long standing retailer, their systems were very out of date and could not handle encrypted card data.

The Solution

Using MagTek secure card reader authenticators they were able to instantly encrypt the cardholder data at the first point of interaction. The data could then be packed, parsed, and sent through their payment environment "disguised' as unencrypted data.

The Result

This customer is able to meet and exceed current PCI DSS requirements, while still using their existing infrastructure. Their PCI audit was successful and their payment environment secured.

Security is our Top Priority

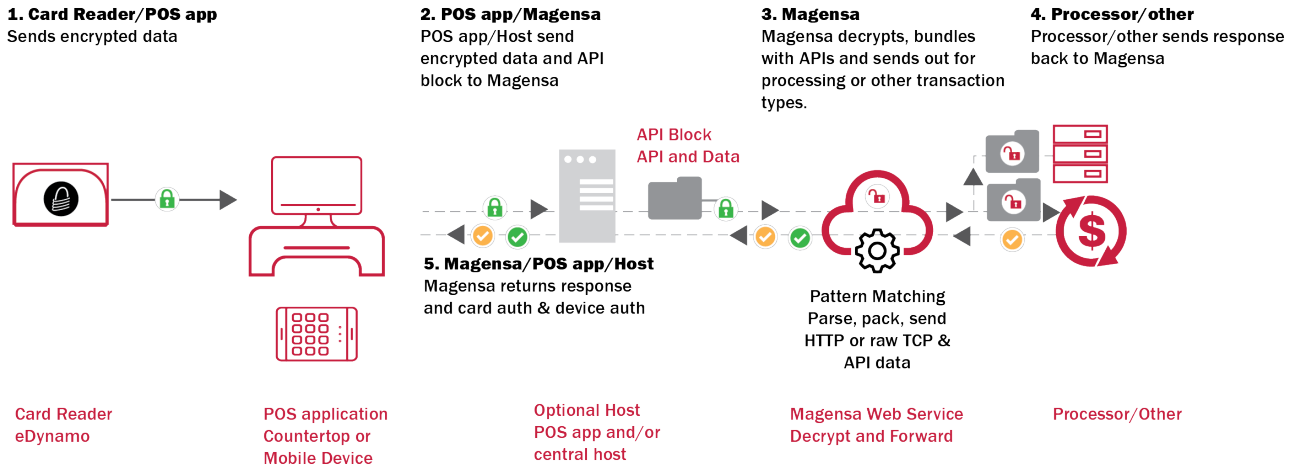
MagTek's MagneSafe® Security Architecture is built into MagTek secure card reader authenticators and PIN PEDs. These devices deliver instant encryption inside the hardware. This places only encrypted data into your environment and secures your data. Magensa uses open-standard and industry-proven Triple DES encryption and DUKPT (derived unique key per transaction) key management to provide a comprehensive security solution that protects cardholder data.

Benefits of Decrypt and Forward

Magensa Decrypt and Forward Services allow system integrators to couple data and API blocks together, and manipulate decrypted data without ever having to actually see the data. Magensa works with any third-party that allows Magensa to call on behalf of the user.

- Works by decrypting data from a MagneSafe encrypted card swipe and placing the appropriate decrypted data into the target XML or key-value pairs.
- Does not rely on a pre-existing integration between Magensa and the third-party service provider.
- Has the ability to send a "batch" of requests in a single call to the service.

Magensa Decrypt and Forward delivers the secure and smart manipulation of sending encrypted data.



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, barcodes, checks, PINs, and identification documents. Leading with innovation and engineering excellence, MagTek is known for quality and dependability. Our hardware products include secure card reader/authenticators, Qwantum secure cards, token generators; EMV Contact Chip, EMV Contactless, barcode and NFC reading devices; encrypting check scanners, PIN pads, and credential personalization systems. These products all connect to Magensa, a MagTek owned gateway that offers businesses the ability to securely process transactions using authentication, encryption, tokenization, and non-static data. MagTek is headquartered in Seal Beach, CA, please visit www.magtek.com to learn more.