

## Magensa Web Services

Develop EMV®-certified POS solutions with

MagTek's DynaPro and eDynamo, Magensa Services, and Worldpay (Vantiv)

**Build full-function, EMV-capable POS applications for the retail and restaurant environment. This EMV level 3-certified architecture combines MagTek hardware with Magensa's secure Decrypt and Forward platform (with optional MPPG gateway) to Worldpay (Vantiv). Integrate our DynaPro PIN PED and full-function countertop EMV and magstripe reader, or our eDynamo mobile and countertop MSR and EMV reader.**

ISVs, VARs and Solution Providers can tailor their products and services to meet the needs of their merchant base while enjoying the security and functionality that MagTek, Magensa and Worldpay (Vantiv) provide.

### Magensa Decrypt and Forward Gateway

Magensa Decrypt and Forward Gateway is intended for customers that know how they want to send data along for authorization. This service requires Developer interaction because it allows you to build transaction messages directly, giving you the greatest flexibility and options for customization. The POS application coupled with APIs direct whatever data is transmitted.

### Magensa Payment Protection Gateway (MPPG)

MPPG is intended for faster integration. This service requires the least amount of Developer support because Magensa has done the heavy lifting for you on the back end. This delivers an easy to use

gateway that supplies Authorization, Sale, Capture, Refund, and Void transactions. ISOs and VARs can board and manage their customers onto the MPPG gateway for faster integration and implementation.

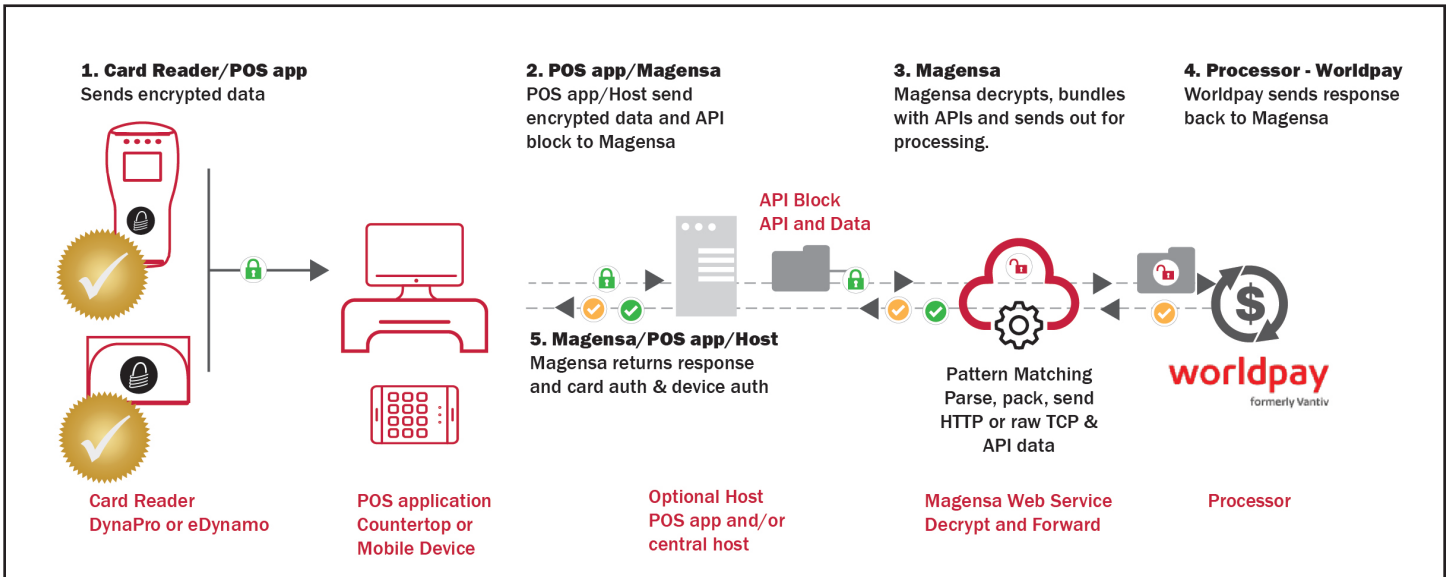
### Benefits

- MagTek's MagneSafe security architecture, the industry's most mature end-to-end encryption solution. Dynamic encryption secures payment data everywhere in the merchant's environment.
- MagneFlex Prism, the fastest way to integrate DynaPro and eDynamo into a variety of application scenarios, from standalone PC applications to tablet and smart phone-based web apps, on Windows, iOS and Android operating systems.
- Magensa's Decrypt and Forward architecture, a new, cloud-based gateway model with groundbreaking customization.
- QwickDIP processing, yielding fast transaction times and "dip-before-you-checkout" functionality

### Typical Applications

- Retail and restaurant checkout with PC-based ECRs
- Mobile and distributed transaction initiation at fixed stations (DynaPro Ethernet)
- Mobile and countertop connected via USB or Bluetooth® LE (eDynamo)
- Customer-initiated interactions

**Contact your MagTek or Worldpay (Vantiv) Sales Representative for more information.**



## Hardware – SCRA

The MagTek eDynamo secure card reader authenticator converts easily between a countertop and mobile peripheral that communicates with the POS application to accept magstripe and EMV card transactions. The communication lines you need between the reader, the application, and the processor are the key elements in determining which Magensa Services will be the best fit.



Figure 1.

*eDynamo mobile form factor with EMV card inserted, also accepts magnetic stripe cards; with Bluetooth Low Energy or USB connection*



Figure 2.

*eDynamo mobile form factor encased in countertop form factor. Easily changes from mobile to countertop.*



## Hardware – PIN PED

DynaPro and DynaPro v3 are sleek, multifunction point of transaction and POS PIN Entry Devices with encrypting keypad, a MagneSafe™ secure card reader authenticator (SCRA), EMV contact/contactless smart card reader and optional NFC (contactless) capabilities (for International use select DynaPro v3). DynaPros provide all of this functionality within a slim, stylish, and rugged payment secure cryptographic device (SCD) that can be hand-held or fix mounted.



Figure 3. DynaPro  
PIN PED