

# MAGENSA™

A MAGTEK COMPANY



## MagneFlex Prism Developer tools for easier integration

MagneFlex Prism is a suite of interface developer tools that reduce the points of development. Instead of using SDKs, APIs, and applets to build an interface to the hardware device, another to interface to the POS application, and another to the gateway, you can build the interface to just MagneFlex. MagneFlex drives the hardware, interfaces with the POS app, and can issue the commands to pack, parse and send the data out for processing.

Whether you are on a network client system or using a web-based app, there is a MagneFlex tool for you. This simplifies development and certification and allows you to determine the best ecosystem for each individual environment.

A great advantage is, after the elements in the system under test are certified, you can use any combination of the certified elements in almost any configuration.

Using the elements that are certified:

- the connection, (i.e. USB, wireless, Ethernet)
- the location (i.e. LAN, PC, device)
- the deployment model (mobile, brick-n-mortar)
- and the vertical (store, restaurant, spa, healthcare, etc.)

don't effect the certification.

### Works with MagTek Secure Hardware

**Windows OS:** MagTek SCRA readers (USB), DynaPro (USB, Ethernet), DynaPro mini (USB), DynaPro Go (USB), eDynamo (USB)

**Apple iOS:** iDynamo, uDynamo (audio jack), eDynamo (Bluetooth LE), DynaPro (Ethernet), DynaPro Go (wireless - to come), DynaPro mini (wireless)

**Android OS:** MagTek SCRA readers (USB), uDynamo (audio jack), eDynamo (Bluetooth LE), DynaPro Go (wireless - to come), DynaPro mini (wireless)



### MagneFlex - Navy

MagneFlex Navy is a full-function HTML browser application. It is integrated with device drivers that control MagTek payment devices through HTML over HTTP(S) context. Navy allows integrators to build an HTML application, such as a web-based POS application, to interact with MagTek readers to collect data from magnetic stripe, EMV contact chip, or contactless (NFC) cards and accept digital payments. This enables distribution by an integrator of a full function POS system, coupled with MagTek POS countertop or mobile secure card readers and PIN device.

Navy eliminates the need for applets, Java applets, and plug-ins because everything is already built right in. This provides a free, turn-key development tool, in a white-label offering, that allows easier integration with web applications, and MagTek hardware and services. If the application front end is written in HTML 5 with mobile responsive stylesheets, ISVs only need to build one POS application that will work on all iOS and Windows (coming soon: Android) operating systems. This greatly simplifies the development and certification effort.



## MagneFlex - Blue

MagneFlex Blue is a full function iOS browser. It was made for iOS app development and gives developers a fast track into the app store. It makes iOS app development easier because it speaks the iOS web app language.

Blue eliminates the need for plug-ins as well since everything is built-into the browser. This free development tool can be white-labelled and provides a turnkey integration solution for iOS web applications, working with MagTek hardware and services. Sites developed in HTML 5 with device responsive views will work seamlessly in this browser allowing the app to respond to devices whether they are tablets or phones in a device native format, reducing the development effort.



## MagneFlex - Sky

MagneFlex Sky is a full function Android browser, made for Android app development and optional white labeling. Android app development is made easier by speaking the app language and plug-ins are not needed. You can find MagneFlex Sky in Google Play and the Amazon app store.



## MagneFlex - Teal

MagneFlex Teal is a middleware application that, when used in conjunction with the MagTek family of payment terminals and Magensa transaction processing services, provides a simplified and consistent interface for a POS Application to initiate and complete card-based payment transactions. To maximize flexibility, Teal is template-driven, using data translation techniques to seamlessly inter-operate between the MagneFlex input API, the Terminal interface, payment card technologies (MSR, EMV, key-entered), and downstream processor APIs. There are several different ways you can integrate Teal:

- **Software semi-integrated:** MagneFlex is installed and configured on the local POS workstation.
- **Fully integrated:** MagneFlex is fully integrated and configured into the local POS application.
- **Hardware semi-integrated controller:** MagneFlex is centrally installed, configured, and managed by a Store Controller.
- **Hardware semi-integrated terminal:** MagneFlex is installed and configured on a CPU for each POS workstation and its payment terminal.



## MagneFlex - Powder

MagneFlex Powder is a smaller middleware application that delivers communications between the POS app and the hardware. If you already know how to send the data through for processing this may be all you need.

	Web-Based Apps			Network Client Apps	
Name	Navy	Blue iOS	Sky Android	Teal	Powder
POS Application Type	Web application	Web application	Web application	Network Client	Network Client
Terminal Host	Not applicable	Not applicable	Not applicable	Windows	Windows
Server Operating System	Open (Linux, Unix, Windows, etc.)	Open (Linux, Unix, Windows, etc.)	Open (Linux, Unix, Windows, etc.)	Windows	Windows
Supports Keyboard Emulation	NO	NO	NO	YES	YES
Uses Magensa Gateway	Optional	Optional	Optional	Required	Optional
Talks to MagTek Hardware Device	YES	YES	YES	YES	YES
Encrypted Cardholder Data	YES	YES	YES	YES	YES



Serving enterprises globally, Magensa provides a wide range of innovative tools and transaction processing services for authentication, cryptographic security, and privatization of sensitive data. Magensa's encryption/decryption services, payment gateway services, tokenization services, remote services, and applications are used by software developers, ISVs and systems integrators to bring their applications to market faster and more securely. Magensa's services and solutions are trusted by commercial, retail, financial and government enterprises without compromise. Magensa, LLC is a subsidiary of MagTek, Inc.