



## 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 and can issue the commands to handle the data.

### PLATFORMS

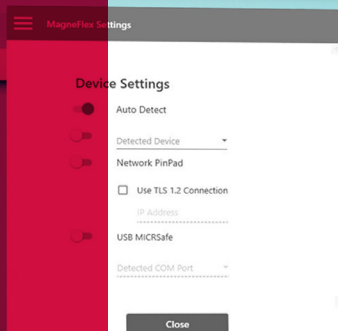
- Mobile
- Countertop
- Kiosk

### CONNECTION

- USB
- Bluetooth LE
- WLAN
- Ethernet
- Wireless

### OPERATING SYSTEMS

- Windows
- Linux
- Android
- iOS
- MacOS



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:

- Connection, (i.e., USB, wireless, Ethernet)
- Location (i.e., LAN, PC, device)
- Deployment model (mobile, brick-n-mortar)
- Vertical (store, restaurant, spa, etc.)

don't alter the certification.

### Works with MagTek MagneSafe Hardware

Magensa services were built to work with MagTek hardware. Across our secure card reader authenticator and PIN PED family of hardware, with select models compatible with Windows, iOS, Linux, and Android operating systems and a variety of connection options including USB, Bluetooth LE, WLAN, Ethernet, and Wireless connection.

### MagneFlex Navy - Browser

MagneFlex Navy is a full-function HTML browser application. 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 and accept digital payments from MagTek readers that collect data from magnetic stripe, EMV contact chip, or contactless (EMV/NFC) payments. This enables distribution by an integrator of a full function POS system, coupled with MagTek secure card readers and PIN device.

To get started contact:  
[retail.solutions@magtek.com](mailto:retail.solutions@magtek.com)

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 style-sheets, 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 - iOS

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-labeled 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 - Android

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.

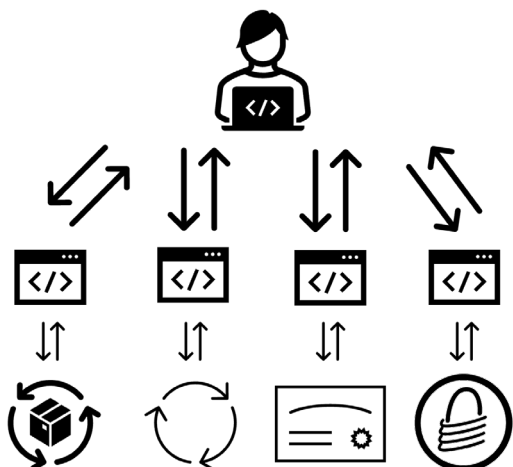
## MagneFlex Powder - Middleware

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.

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

## Development without MagneFlex

Typically, a developer would need to write a variety of connections and applets to connect to outside locations and processors, go through the certification process, and connect to each card reader. You may need to do this, based on your specific needs.



## Development with MagneFlex

When a developer uses MagneFlex and Magensa services, they code to MagneFlex. MagneFlex has connections to MagTek card readers built-in and using Magensa, services are L3 certified and can send out to the necessary locations and processors.

