DEVELOPMENT OPTIONS FOR ANDROID ENTERPRISE MOBILE APPLICATIONS

Tech Brief

TC55, ET1, MC40, MC67, MC3200

You've chosen to deploy Zebra's Android-based mobile computers in your organization — now you're ready to begin application development. Our Android-based portfolio offers the most flexible options for enterprise-class application development. Android is open source, and our mobile computers are fully compatible with standard android development tools. In addition, Zebra's complementary tools allow you to support all the enterprise data capture features that are not supported through standard Android development tools.

The result is a complete toolkit that enables the development of rich enterprise- class android applications that allow you to fully maximize the value of your Zebra Android-based mobile computers.

EMDK FOR ANDROID

Easily enable powerful line of business applications

When mission critical Enterprise applications require tight integration and performance, the Enterprise Mobility Development Kit, or EMDK for Android delivers the feature set and capabilities you have grown to expect from Zebra. With a comprehensive set of APIs and sample code, the EMDK enables you to take full advantage of the purpose built capabilities our devices have to offer. Innovation is also a key aspect of all that we do and there is no better example than the exclusive Profile Manager Technology within the Eclipse IDE. This GUI based development tool allows for fewer lines of code resulting in reduced development time, effort and errors. This innovative feature not only gives you easy access to critical functions such as bar code scanning and transaction processing via a magnetic stripe reader (MSR) but also functionality not available in Google's Android SDK.

The EMDK will also include continued support for the DataCapture Intent APIs. You can use standard Android development tools, including Google's Android SDK to interface with DataWedge and create Line of Business applications with the capability of processing its data. Utilizing DataWedge and Intents, offers you full control over the Scanning and MSR peripherals. With the Enterprise Mobility Development Kit for Android, you have complete control over the enterprise value added features our devices have to offer enabling you to maximize their functionality and adding value to your applications.

IMPORTANT LINKS

- Zebra Android Developer Community and Resources:
  www.zebra.com/software
- EMDK for Android:
  www.zebra.com/software
- Tutorials:
  www.zebra.com/software
- EMDK for Android API Reference:
  www.zebra.com/software
- EMDK for Android Profile Manager:
  www.zebra.com/software
- EMDK for Android Samples:
  www.zebra.com/software
- Android SDK:
  http://developer.android.com/sdk/index.html
- Android API Reference:
  http://developer.android.com/reference/packages.html
- Google's Android Training Site:
  http://developer.android.com/training/index.html
- Google's Developer news and Documents:
  http://developer.android.com/develop/index.html

DATAWEDGE FOR ANDROID

**Easily capture enterprise data —
no programming required**

DataWedge allows you to capture and move simple text-based information into line-of-business applications — without writing any code. This Zebra utility allows you to capture bar code data from virtually any type of scanning technology — 1D laser, 1D linear imager, 2D imager and camera — as well as information from magnetic stripe readers. The profiles function allows you to automatically change the behavior of DataWedge as the user switches from one application to another, or one screen to another within a single application. Pre-configured profiles allow DataWedge to reload its settings, including disabling data capture when specified applications or screens become active. The Advanced Data formatting (ADf) function provides data processing functions that allow you to extract and format the data per rules that you define. For example, you might require the first five characters to be entered into one field and the second set of five characters into a different field, or you might need to remove all blank spaces or add a special keystroke, such as Tab or enter. Once the data is formatted correctly, it is converted into keystrokes and delivered to the application just as if the data was typed on a keyboard.

IMPORTANT LINKS

- DataWedge User Guide:
  www.zebra.com/software

HTML5 DEVELOPMENT TOOL OPTIONS (RHOMOBILE SUITE)

Create cross-platform applications that run on multiple types of devices and operating systems — including Android

Use Zebra's RhoMobile Suite when you want to create one version of an application that can run on smartphones, mobile computers and tablets running AndroidTM, Apple iOS, Windows® embedded Handheld, Windows® CE and Windows® Phone 8. Flexible support for development tools includes HTML5, JavaScript and Ruby. You can create native and hybrid applications that can run online and offline. Since RhoMobile Suite is fully compatible with Android, you get complete control over all features on supported Zebra mobile devices. Theresult? A major increase in application functionality, and a dramatic reduction in development time and cost. And since RhoMobile Suite is extensible and designed to support operating systems that don't even exist yet, the applications you create today will work on the devices of the future. RhoMobileSuite.
It's always what's next.

IMPORTANT LINKS

- RhoMobile Suite Developer Community —
  Download software, access training, development guides, sample code and more:
  www.zebra.com/software

- RhoMobile Suite Product Home Page:
  www.zebra.com/rhomobile

FOR MORE INFORMATION ABOUT ANDROID APPLICATION DEVELOPMENT OPTIONS FOR ZEBRA'S ANDROID-BASED MOBILE DEVICE PORTFOLIO, PLEASE VISIT: WWW.ZEBRA.COM/SOFTWARE