



# Zebra® Link-OS™ Environment Version 2.0



SEE MORE. DO MORE.



To meet changing expectations and growing demands for devices that are mobile, intelligent and connected to the Cloud, Zebra Technologies has created a new software environment to power Zebra printers. Zebra's new Link-OS environment combines an innovative new operating system, powerful Multiplatform Software Development Kit (SDK) and software applications that make Zebra printers even easier to integrate, manage and maintain than ever before.

Within the new Link-OS environment, customers can now develop applications that interact with Zebra printers from mobile devices located anywhere in the world. The Link-OS environment is highly flexible, allowing new and creative ways for organizations to manage their printers. Gathering printer information has never been easier. You will have the ability to

securely gather device information stored on the Cloud – such as device locations and workload capacity – to make informed business decisions and even perform proactive maintenance to prevent down time. And, Zebra printers are now more cost effective than ever – reducing time spent on deployment, administration and troubleshooting.

The Link-OS environment will offer interactive, dynamic feature and application updates when they become available, allowing Zebra printers to grow and change with your business. You can rely on your Zebra printer to keep pace with new technology developments.

The Link-OS environment offers apps to help with integrating and managing Zebra printers and developing custom applications to meet specific needs. Take a look at what we have to offer you in the Link-OS environment version 2.0.

## Developer tools

- The Link-OS Multiplatform SDK delivers all the tools needed for flexible, custom solution development across multiple environments and infrastructures.

## For device integration

- **NEW for v 2.0:** Virtual Devices offer support for legacy command languages.
- Print Touch™ enables effortless device pairing and app launching with just a tap.
- The Zebra Utilities and Print Station apps quickly enable tablet- and smartphone-based printing.

## For device management

- **NEW for v 2.0:** Profile Manager gives you one app to manage all aspects of your Link-OS printers.
- Cloud Connect allows Link-OS printers to connect to the Cloud, directly and securely.
- AirWatch® Connector permits printer management from the AirWatch device management system.

# THE TOOLS TO DEVELOP EXACTLY WHAT YOU NEED



## Use the Link-OS environment Multiplatform Software Development Kit to create custom apps



Need to capture a signature and print a receipt from an iPhone®? Want to print asset labels from your Android device? Looking to create a visitor registration app to print from PCs running Linux? We can help. The Link-OS SDK provides app creators with the tools needed to get the job done quickly and efficiently.

The robust Link-OS SDK enables app creation on PCs, smartphones and tablets using Windows®, Linux, Unix, Android™, Apple® iOS™, Windows Mobile™ and Windows CE™. Containing the core programming libraries used to create the Link-OS Print Touch, Print Station, Cloud Connect, Profile Manager and other soon-to-be-launched apps, the Link-OS SDK makes creating powerful apps simple and straightforward.

Other SDK features to keep development time and costs to a minimum include:

- SDKs specifically for Windows, Linux, Unix, Android, iOS, Windows Mobile and Windows CE.
- The ability to create applications using multiple native programming languages, including Java, Objective-C®, C# and VB.

- Support for multiple connectivity methods, including USB, Bluetooth®, Ethernet and WLAN.
- Support for creating and loading device profiles, backups, status checking, font and graphic conversion and much more.
- Over 120 code examples and demos, including extensive documentation.
- XML to ZPL® conversion libraries enable developers to create solutions that convert XML into printable output.
- Automate printer management using JavaScript Object Notation (JSON).
- Source code for the Print Station app.

**The Link-OS Multiplatform SDK** is available for the following Zebra printers:

**Mobile:** iMZ200™ and iMZ230™  
QLn™ Series

**Industrial:** ZT200™ Series

**RFID:** ZD500R™ Series\*

# LINK-OS: THE ENVIRONMENT IS CHANGING & WE'RE INNOVATING

## IMPROVE DEVICE INTEGRATION WITH THESE POWERFUL LINK-OS APPS



### Competitive and legacy printer support is just a download away



Virtual Devices enable using legacy command languages with Link-OS printers. By treating legacy command languages as on-printer applications, Virtual Devices enable printers to deliver support for a variety of languages, while still delivering the device management, customization and connectivity advantages the Link-OS environment brings to your business processes.

Virtual Devices offer a future-proofed Link-OS printer investment since they are available across multiple printer types – including non-Zebra, competitor printers. So as needs change, users can select the printer type that's right for their applications.

Updating is simple. Visit [www.zebra.com/link-os](http://www.zebra.com/link-os) to quickly download the latest version for all your Link-OS printers. Due to implementation variations in command language operation on non-Zebra products, we frequently issue updates for our Virtual Devices. Zebra will first release an O'Neil® Virtual Device, with more to follow in future Link-OS environment versions.

**Virtual Device** is available for the following Zebra printers:

**Mobile:** iMZ220 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

### Pairing & app launching made easy with Print Touch



Make applications easier to use with Print Touch. Leveraging Near Field Communication (NFC), Print Touch enables new experiences and quick access to helpful information.

Pair Link-OS- and Android-based NFC-enabled devices with a simple tap. Use Print Touch to create apps that launch at a touch to simplify use – and ensure that users get quick access to the data they need. Zebra's Print Touch-enabled printers also offer web page launching features, making it easy to access Zebra's extensive knowledge base of how-to videos and product support. Print Touch makes it easy to save time and money in IT, customer service and tech support departments.

**Print Touch** is available with the following Zebra printers:

**Mobile:** iMZ200 and iMZ230  
QLn420™

**RFID:** ZD500R Series\*



## Get started exploring now – using the Zebra Utilities app



The Zebra Utilities application supports printing from multiple platforms and connectivity methods – including Bluetooth® and WLAN from Apple® iOS™ mobile digital devices and Android tablets and smartphones. Use the built-in demos or create unique templates using the WYSIWYG ZebraDesigner™ application for Windows.

User-generated templates can be easily stored on the printer or in the tablet or smartphone. Ready-to-use, the Zebra Utilities application is available from the Apple AppStore or Google Play™.

**The Zebra Utilities** application is available for the following Zebra printers:

**Mobile:** iMZ200 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

**RFID:** ZD500R Series\*

## Print from anywhere – anytime – using today's platforms



The Print Station app enables printing from Android tablets and smartphones, giving you an easy alternative to using a physical Keyboard Display Unit (KDU). Label and receipt templates created using ZebraDesigner, a WYSIWYG application for Windows, are stored on the printer, smartphone or tablet and later recalled for printing. The Print Station app is available from Google Play.

App features include:

- Discovering and pairing with Zebra printers via a Bluetooth, WLAN or USB connection.
- Retrieving and displaying a list of document templates (format).
- Using document templates to generate on-screen prompts – allowing data entry at print time.
- Using the camera on the Android device to scan barcodes for data entry.

Complete source code for this app is included in the Link-OS Multiplatform SDK.

**Print Station** is available for the following Zebra printers:

**Mobile:** iMZ200 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

**RFID:** ZD500R Series\*

# GET MORE DONE IN LESS TIME

## FOR HASSLE-FREE PRINTER MANAGEMENT, LOOK TO THESE LINK-OS APPS

### One app to manage all your Link-OS printers!



Profile Manager is a valuable tool to manage all aspects of your Link-OS printers – from one screen. There's no need to switch between apps to get the job done, and it doesn't matter where in the world you are. The Admin console can be viewed on PCs, tablets and smartphones – all with a user interface that is simple and straightforward.

With Profile Manager, you can manage your Link-OS printers anywhere and at any time. You can edit and manage one printer, batches of printers or all Link-OS printers across your network. Use the Profile Tools feature to quickly send profiles to many printers at once. The Connectivity Wizard feature lets you do fast configurations of complex Wi-Fi settings and the Profile Wizard feature makes provisioning individual or groups of printers a snap.

Profile Manager is available now at [www.zebra.com/link-os](http://www.zebra.com/link-os).

**Profile Manager** is available for the following Zebra printers:

**Mobile:** iMZ200 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

**RFID:** ZD500R Series\*

### Connect securely and directly to the Cloud



Cloud Connect allows Link-OS printers to interact with the Cloud, forwarding data from any port. These printers become an integral part of an overall Cloud strategy and an important component of your Internet of Things solution – today, or in the future.

By using standard WebSockets technology, developers can connect Link-OS printers securely and directly to Cloud-based apps – for device management, printing or as part of a powerful data collection platform. Applications can use on-printer data capture technology to quickly move information from a connected scanner or input device through the printer, which reduces costs and streamlines applications.

Rethink the way you perform certain tasks. Cloud Connect, plus the Multiport feature, allows you to create solutions that deliver maximum Return on Investment. Pair your QLn or iMZ printer with a low-cost, Bluetooth scanner and use the printer's wireless radio to communicate directly to your Cloud-based applications. As barcodes are scanned, data is sent to a Cloud-based application for immediate processing. The entire process is fast and cost-effective.

**Cloud Connect** is available for the following Zebra printers:

**Mobile:** iMZ200 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

**RFID:** ZD500R Series\*



**Simplified management with the AirWatch Connector**



Eliminate the need to use multiple tools to manage multiple device types. The Windows PC-based AirWatch Connector is the quick and easy way to manage Link-OS printers directly from the AirWatch environment across WLAN and Ethernet infrastructures. The AirWatch Connector comes with AirWatch version 6.3 and later.

Easily download the new Link-OS environment, transfer objects to the device and check unit status – all from the AirWatch system!

**AirWatch** is available for the following Zebra printers:

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**Mobile:** iMZ200 and iMZ230  
QLn Series

**Industrial:** ZT200 Series

**RFID:** ZD500R Series\*

	Multiplatform SDK	Virtual Devices	Print Touch	Zebra Utilities	Print Station	Profile Manager	Cloud Connect	AirWatch Connector
<b>Mobile Printers</b>								
iMZ220	X	X	X	X	X	X	X	X
iMZ320	X	X	X	X	X	X	X	X
QLn220™	X	X		X	X	X	X	X
QLn320™	X	X		X	X	X	X	X
QLn420	X	X	X	X	X	X	X	X
<b>Industrial Printers</b>								
ZT200	X	X		X	X	X	X	X
<b>RFID Printers</b>								
ZD500R*	X	X	X	X	X	X	X	X

**So much more to come with the Link-OS environment**

All this is just the beginning. Future releases of the Link-OS environment will include new innovative features and applications to help you further simplify integration and get the most from Link-OS printers. Visit [www.zebra.com/link-os](http://www.zebra.com/link-os) for all the latest information and video demonstrations.

\* Product coming soon



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