

# OPOS Printer Driver Release Notes

Version 1.14.1.110

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## Welcome

This OPOS printer driver was designed to be used in applications where an OPOS printer driver is needed to support Zebra printers.

If you have an older Zebra OPOS driver installed on your system you need to remove the old driver first.

Supported Specifications:

- UPOS specification: v1.14
- .NET framework: 4.52
- Microsoft POS for .NET v1.14

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## System Requirements

This software is supported on 32-bit and 64-bit Microsoft Windows 7, Windows 8.1 and Windows 10 operating systems.

(Windows is a registered trademark of Microsoft Corporation.)

This OPOS driver must be installed on the C: drive of the computer.

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## Supported Printers

The following Zebra printer models are supported in this version:

105SL 203DPI  
105SL 300DPI  
110PAX4 203DPI  
110PAX4 300DPI  
110XiIII Plus 200DPI  
110XiIII Plus 300DPI  
110XiIII Plus 600DPI  
140XiIII Plus  
170PAX4 203DPI

170PAX4 300DPI  
170XiIII Plus  
170XiIII Plus 200DPI  
220XiIII Plus  
220XiIII Plus 300DPI  
EZ 320  
GC420d  
GC420t  
GK420d  
GK420t  
GK888d  
GK888t  
GT800  
GT800-300dpi ZPL  
GX420d  
GX420t  
GX430t  
iMZ 220  
iMZ 220 (ZPL)  
iMZ 320  
iMZ 320 (ZPL)  
KR403  
LP 2824 Plus (ZPL)  
LP 2824-Z  
LP 2844-Z  
MZ 220  
MZ 320  
QL 220 Plus  
QL 320 Plus  
QL 420 Plus  
QLn 220  
QLn 220 (ZPL)  
QLn 320  
QLn 320 (ZPL)  
QLn 420  
QLn 420 (ZPL)  
RW 220  
RW 420  
S4M-203dpi ZPL  
S4M-300dpi ZPL  
TLP 2824 Plus (ZPL)  
TLP 2824-Z  
TLP 2844-Z  
TLP 3844-Z  
ZD220-203DPI  
ZD230-203DPI  
ZD410-203DPI  
ZD410-300DPI  
ZD411-203DPI  
ZD411-300DPI  
ZD420-203DPI  
ZD420-300DPI  
ZD421-203DPI  
ZD421-300DPI  
ZD500-203DPI  
ZD500-300DPI  
ZD500R-203DPI

ZD500R-300DPI  
ZD611-203dpi ZPL  
ZD611-300dpi ZPL  
ZD611R-203dpi ZPL  
ZD611R-300dpi ZPL  
ZD620-203dpi ZPL  
ZD620-300dpi ZPL  
ZD621-203dpi ZPL  
ZD621-300dpi ZPL  
ZD621R-203dpi ZPL  
ZD621R-300dpi ZPL  
ZD888-203DPI  
ZE500-4 LH-203DPI ZPL  
ZE500-4 LH-300DPI ZPL  
ZE500-4 RH-203DPI ZPL  
ZE500-4 RH-300DPI ZPL  
ZE500-6 LH-203DPI  
ZE500-6 LH-300DPI  
ZE500-6 RH-203DPI  
ZE500-6 RH-300DPI  
ZE500R-4 LH-203DPI ZPL  
ZE500R-4 LH-300DPI ZPL  
ZE500R-4 RH-203DPI ZPL  
ZE500R-4 RH-300DPI ZPL  
ZM400 203 dpi (ZPL)  
ZM400 300 dpi (ZPL)  
ZM400 600 dpi (ZPL)  
ZM600 203 dpi (ZPL)  
ZM600 300 dpi (ZPL)  
ZQ112 (CPCL)  
ZQ120 (CPCL)  
ZQ210 (CPCL)  
ZQ220 (CPCL)  
ZQ310 (CPCL)  
ZQ310 (ZPL)  
ZQ320 (CPCL)  
ZQ320 (ZPL)  
ZQ510 (CPCL)  
ZQ510 (ZPL)  
ZQ511 (CPCL)  
ZQ511 (ZPL)  
ZQ511R (ZPL)  
ZQ520 (CPCL)  
ZQ520 (ZPL)  
ZQ521 (CPCL)  
ZQ521 (ZPL)  
ZQ521R (ZPL)  
ZQ610 (CPCL)  
ZQ610 (ZPL)  
ZQ620 (CPCL)  
ZQ620 (ZPL)  
ZQ630 (CPCL)  
ZQ630 (ZPL)  
ZQ630R (ZPL)  
ZR118 (CPCL)  
ZR138 (CPCL)  
ZR318 (CPCL)

ZR318 (ZPL)  
ZR328 (CPCL)  
ZR328 (ZPL)  
ZR338 (CPCL)  
ZR338 (ZPL)  
ZR628 (CPCL)  
ZR628 (ZPL)  
ZR638 (CPCL)  
ZR638 (ZPL)  
ZR658 (CPCL)  
ZR658 (ZPL)  
ZR668 (CPCL)  
ZR668 (ZPL)  
ZT210-200DPI  
ZT210-300DPI  
ZT220-200DPI  
ZT220-300DPI  
ZT230-200DPI  
ZT230-300DPI  
ZT410-203DPI  
ZT410-300DPI  
ZT410-600DPI  
ZT410R-203DPI  
ZT410R-300DPI  
ZT410R-600DPI  
ZT411-203DPI  
ZT411-300DPI  
ZT411-600DPI  
ZT411R-203DPI  
ZT411R-300DPI  
ZT411R-600DPI  
ZT420-203DPI  
ZT420-300DPI  
ZT420R-203DPI  
ZT420R-300DPI  
ZT421-203DPI  
ZT421-300DPI  
ZT421R-203DPI  
ZT421R-300DPI  
ZT510-203dpi ZPL  
ZT510-300dpi ZPL  
ZT610-203dpi ZPL  
ZT610-300dpi ZPL  
ZT610-600dpi ZPL  
ZT610R-203dpi ZPL  
ZT610R-300dpi ZPL  
ZT610R-600dpi ZPL  
ZT620-203dpi ZPL  
ZT620-300dpi ZPL  
ZT620R-203dpi ZPL  
ZT620R-300dpi ZPL

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**Tips & Advice**

Please refer to the Zebra ZPL & CPCL Printer Driver for OPOS Application Programmer's guide for information on the following topics.

- Supported barcodes and fonts
- Common Properties, Methods, and Events
- How to use and configure the Device Manager and Test Application
- The provided OPOS constant for DataMatrix and QR code don't work with the PrintBarcode function and need to be replaced with a custom OPOS constant.

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## Known Issues

There are no known issues.

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## Change Log

Release Date	Version	Changes
May 2013	1.11.5.1	<ul style="list-style-type: none"><li>• Support for Windows 8</li><li>• Adding support for use on 64bit computers. Note: the driver does not support 64bit development.</li><li>• Adding ZT200 series printers</li><li>• Adding ZE500 series printers</li><li>• Adding QLn420</li><li>• Adding GC series printers</li><li>• Adding iMZ series printers</li><li>• Corrected an issue where the OPOS driver locks up QLn320 when printing via USB</li><li>• Corrected an issue where CRLF causes two linefeed in page mode</li><li>• Corrected an issue where extra blank spaces between lines appeared</li><li>• Corrected an issue with Partial cut for the KR403</li><li>• Corrected an issue with Serial communication</li><li>• Changed the CPCL driver to use ! U&lt;CR&gt;&lt;LF&gt; instead of ! 0 200 200 0 1&lt;CR&gt;&lt;LF&gt;</li><li>• Added bitmap conversion for inverted bitmaps</li><li>• Corrected an issue with status toggling for the KR403</li></ul>
Sep 2013	1.11.5.2	<p>Internal Release</p> <ul style="list-style-type: none"><li>• Added support for legacy OPOS (Active X).</li><li>• Corrected registration of some dll files.</li><li>• Allow non-admin users to print from a web page.</li></ul>

		<ul style="list-style-type: none"> <li>• Corrected an issue in the Device Manager where it could not detect QLn320 or GC420d printers connected via USB.</li> <li>• Corrected a serial communication issue in the CPCL service object.</li> <li>• The Test Application can now show multiple status and warnings.</li> <li>• Improved status handling for KR403.</li> </ul>
07 Aug 2014	1.11.5.7	<ul style="list-style-type: none"> <li>• Removed the GV series printer models.</li> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZT410-203dpi ZPL</li> <li>◦ ZT420-203dpi ZPL</li> <li>◦ ZT410R-203dpi ZPL</li> <li>◦ ZT420R-203dpi ZPL</li> <li>◦ ZT410-300dpi ZPL</li> <li>◦ ZT420-300dpi ZPL</li> <li>◦ ZT410R-300dpi ZPL</li> <li>◦ ZT420R-300dpi ZPL</li> <li>◦ ZT410-600dpi ZPL</li> <li>◦ ZT410R-600dpi ZPL</li> <li>◦ ZD500-203dpi ZPL</li> <li>◦ ZD500-300dpi ZPL</li> <li>◦ ZD500R-203dpi ZPL</li> <li>◦ ZD500R-300dpi ZPL</li> <li>◦ ZE500R-4 LH-203dpi ZPL</li> <li>◦ ZE500R-4 LH-300dpi ZPL</li> <li>◦ ZE500R-4 RH-203dpi ZPL</li> <li>◦ ZE500R-4 RH-300dpi ZPL</li> <li>◦ ZQ510 (CPCL)</li> <li>◦ ZQ520 (CPCL)</li> <li>◦ ZQ510 (ZPL)</li> <li>◦ ZQ520 (ZPL)</li> <li>◦ GT800-300dpi ZPL</li> </ul> </li> </ul>
15 Sep 2014	1.11.5.8	<ul style="list-style-type: none"> <li>• The iMZ series are now available again in the list of printers.</li> <li>• Corrected maximum print speeds in some models.</li> </ul>
27 May 2015	1.11.5.15	<ul style="list-style-type: none"> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZD410</li> <li>◦ ZD420</li> <li>◦ ZR338</li> <li>◦ ZR628</li> <li>◦ ZR638</li> </ul> </li> </ul>
13 Jan 2017	1.11.5.30	<ul style="list-style-type: none"> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZQ310</li> <li>◦ ZQ320</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>◦ ZR318</li> <li>◦ ZR328</li> <li>◦ ZT510</li> <li>◦ ZT610</li> <li>◦ ZT610R</li> <li>◦ ZT620</li> <li>◦ ZT620R</li> </ul>
03 Aug 2017	1.11.5.46	<ul style="list-style-type: none"> <li>• Corrected an issue where the 'open' function failed when using the the serial port.</li> <li>• Corrected an issue where ZPL printers would not connect when using a Bluetooth connection.</li> <li>• Corrected an issue for ZPL printers where the following properties were not being set following the open method. <ul style="list-style-type: none"> <li>◦ RecLineChars</li> <li>◦ RecLineHeight</li> <li>◦ RecLineSpacing</li> <li>◦ RecLinesToPaperCut</li> <li>◦ RecLineWidth</li> <li>◦ RecNearEnd</li> <li>◦ RecSidewaysMaxChars</li> <li>◦ RecSidewaysMaxLines</li> </ul> </li> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZD620</li> </ul> </li> </ul>
03 Apr 2018	1.14.1.75	<ul style="list-style-type: none"> <li>• The supported version of Microsoft POS for .NET is now 1.14.</li> <li>• The printer status check has been moved from the OPEN function to the CLAIM function so OPEN succeeds if the printer is offline.</li> <li>• Removed the downloaded font check in the OPEN function.</li> <li>• Added DataMatrix and QR barcode support.</li> <li>• Corrected the PnP information for the GC420d and GC420t printers.</li> <li>• In Windows Programs and Features the product is now listed as Zebra Printer OPOS Driver.</li> <li>• The application shortcuts are now in the root of the Windows Start menu.</li> <li>• Removed the search option in the Device Manager for the IP/WiFi port type. The printer's IP address should now be entered manually.</li> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZQ610</li> <li>◦ ZQ620</li> <li>◦ ZR658</li> <li>◦ ZR668</li> </ul> </li> </ul>
06 Nov 2018	1.14.1.95	<ul style="list-style-type: none"> <li>• The <i>width</i> parameter of the PrintBarcode method for ZPL printers now controls the module width for the following barcode symbologies. Value range is 1-10:</li> </ul>

		<ul style="list-style-type: none"> <li>◦ Code 39</li> <li>◦ Code 128, Code 128 parsed</li> <li>◦ Ean8s, Ean13s</li> <li>◦ EanJan8, EanJan13</li> <li>◦ ITF (Code 2 of 5)</li> <li>• Added back the printer discovery option in the Device Manager for the IP/WiFi port type.</li> <li>• When using Bluetooth communications with a CPCL service object an exception will be thrown if the printer goes offline or becomes unreachable.</li> <li>• The CheckHealth function has been updated to handle the case when the printer goes offline or becomes unreachable. This applies to a CPCL service object when using Bluetooth communications.</li> <li>• Corrected an issue where characters were not printed correctly when using UTF-8/UTF-16 encoding and Bluetooth communication.</li> <li>• Improved control for sizing QR and DataMatrix barcodes.</li> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZD220</li> <li>◦ ZD230</li> <li>◦ ZD888</li> <li>◦ ZQ120</li> <li>◦ ZQ220</li> <li>◦ ZQ630/ZQ630R</li> <li>◦ ZR138</li> </ul> </li> </ul>
03 Sep 2019	1.14.1.104	<ul style="list-style-type: none"> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZQ112</li> <li>◦ ZQ210</li> <li>◦ ZQ511</li> <li>◦ ZQ511R</li> <li>◦ ZQ521</li> <li>◦ ZQ521R</li> <li>◦ ZR118</li> <li>◦ ZT411</li> <li>◦ ZT411R</li> <li>◦ ZT421</li> <li>◦ ZT421R</li> </ul> </li> </ul>
24 Feb 2020	1.14.1.110	<ul style="list-style-type: none"> <li>• Improved the status reporting for printer related error conditions in the ZPL SO.</li> <li>• Added support for the following printer models: <ul style="list-style-type: none"> <li>◦ ZD411</li> <li>◦ ZD421</li> <li>◦ ZD611</li> <li>◦ ZD611R</li> <li>◦ ZD621</li> <li>◦ ZD621R</li> </ul> </li> </ul>



## Technical Support

Worldwide Technical Support is available through your Reseller, or at:

<https://www.zebra.com/contact>

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## Software Updates

OPOS printer drivers are frequently updated and modified to take advantage of new developments. Updated drivers will be available on our web site:

<https://www.zebra.com/>

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