

OPOS Printer Driver Release Notes

Version 1.14.1.143

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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
- Microsoft .NET Framework: 4.8
- Microsoft POS for .NET v1.14

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System Requirements

This software is supported on the following 32-bit and 64-bit Microsoft operating systems:

- Windows 10 desktop editions
- Windows 11 desktop editions

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)
ZQ120 Plus (CPCL)
ZQ210 (CPCL)
ZQ220 (CPCL)
ZQ220 Plus (CPCL)
ZQ310 (CPCL)
ZQ310 (ZPL)
ZQ310 Plus (CPCL)
ZQ310 Plus (ZPL)
ZQ320 (CPCL)
ZQ320 (ZPL)
ZQ320 Plus (CPCL)
ZQ320 Plus (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)
ZQ610 Plus (CPCL)
ZQ610 Plus (ZPL)
ZQ620 (CPCL)
ZQ620 (ZPL)
ZQ620 Plus (CPCL)
ZQ620 Plus (ZPL)
ZQ630 (CPCL)
ZQ630 (ZPL)
ZQ630 Plus (CPCL)
ZQ630 Plus (ZPL)
ZQ630R (ZPL)
ZQ630R Plus (ZPL)
ZR118 (CPCL)
ZR138 (CPCL)
ZR318 (CPCL)
ZR318 (ZPL)
ZR328 (CPCL)
ZR328 (ZPL)
ZR328 Plus (CPCL)
ZR328 Plus (ZPL)
ZR338 (CPCL)
ZR338 (ZPL)
ZR628 (CPCL)
ZR628 (ZPL)
ZR638 (CPCL)
ZR638 (ZPL)
ZR658 (CPCL)
ZR658 (ZPL)
ZR668 (CPCL)
ZR668 (ZPL)
ZR668 Plus (CPCL)
ZR668 Plus (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
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May 2013	1.11.5.1	<ul style="list-style-type: none"> • Support for Windows 8 • Adding support for use on 64bit computers. Note: the driver does not support 64bit development. • Adding ZT200 series printers • Adding ZE500 series printers • Adding QLn420 • Adding GC series printers • Adding iMZ series printers • Corrected an issue where the OPOS driver locks up QLn320 when printing via USB • Corrected an issue where CRLF causes two linefeed in page mode • Corrected an issue where extra blank spaces between lines appeared • Corrected and issue with Partial cut for the KR403 • Corrected and issue with Serial communication • Changed the CPCL driver to use ! U<CR><LF> instead of ! 0 200 200 0 1<CR><LF> • Added bitmap conversion for inverted bitmaps • Corrected an issue with status toggling for the KR403
Sep 2013	1.11.5.2	<p>Internal Release</p> <ul style="list-style-type: none"> • Added support for legacy OPOS (Active X). • Corrected registration of some dll files. • Allow non-admin users to print from a web page. • Corrected an issue in the Device Manager where it could not detect QLn320 or GC420d printers connected via USB. • Corrected a serial communication issue in the CPCL service object. • The Test Application can now show multiple status and warnings. • Improved status handling for KR403.
07 Aug 2014	1.11.5.7	<ul style="list-style-type: none"> • Removed the GV series printer models. • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZT410-203dpi ZPL ◦ ZT420-203dpi ZPL ◦ ZT410R-203dpi ZPL ◦ ZT420R-203dpi ZPL ◦ ZT410-300dpi ZPL ◦ ZT420-300dpi ZPL ◦ ZT410R-300dpi ZPL ◦ ZT420R-300dpi ZPL ◦ ZT410-600dpi ZPL ◦ ZT410R-600dpi ZPL ◦ ZD500-203dpi ZPL

		<ul style="list-style-type: none"> ◦ ZD500-300dpi ZPL ◦ ZD500R-203dpi ZPL ◦ ZD500R-300dpi ZPL ◦ ZE500R-4 LH-203dpi ZPL ◦ ZE500R-4 LH-300dpi ZPL ◦ ZE500R-4 RH-203dpi ZPL ◦ ZE500R-4 RH-300dpi ZPL ◦ ZQ510 (CPCL) ◦ ZQ520 (CPCL) ◦ ZQ510 (ZPL) ◦ ZQ520 (ZPL) ◦ GT800-300dpi ZPL
15 Sep 2014	1.11.5.8	<ul style="list-style-type: none"> • The iMZ series are now available again in the list of printers. • Corrected maximum print speeds in some models.
27 May 2015	1.11.5.15	<ul style="list-style-type: none"> • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZD410 ◦ ZD420 ◦ ZR338 ◦ ZR628 ◦ ZR638
13 Jan 2017	1.11.5.30	<ul style="list-style-type: none"> • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZQ310 ◦ ZQ320 ◦ ZR318 ◦ ZR328 ◦ ZT510 ◦ ZT610 ◦ ZT610R ◦ ZT620 ◦ ZT620R
03 Aug 2017	1.11.5.46	<ul style="list-style-type: none"> • Corrected an issue where the 'open' function failed when using the the serial port. • Corrected an issue where ZPL printers would not connect when using a Bluetooth connection. • Corrected an issue for ZPL printers where the following properties were not being set following the open method. <ul style="list-style-type: none"> ◦ RecLineChars ◦ RecLineHeight ◦ RecLineSpacing

		<ul style="list-style-type: none"> ◦ RecLinesToPaperCut ◦ RecLineWidth ◦ RecNearEnd ◦ RecSidewaysMaxChars ◦ RecSidewaysMaxLines • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZD620
03 Apr 2018	1.14.1.75	<ul style="list-style-type: none"> • The supported version of Microsoft POS for .NET is now 1.14. • The printer status check has been moved from the OPEN function to the CLAIM function so OPEN succeeds if the printer is offline. • Removed the downloaded font check in the OPEN function. • Added DataMatrix and QR barcode support. • Corrected the PnP information for the GC420d and GC420t printers. • In Windows Programs and Features the product is now listed as Zebra Printer OPOS Driver. • The application shortcuts are now in the root of the Windows Start menu. • Removed the search option in the Device Manager for the IP/WiFi port type. The printer's IP address should now be entered manually. • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZQ610 ◦ ZQ620 ◦ ZR658 ◦ ZR668
06 Nov 2018	1.14.1.95	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ◦ Code 39 ◦ Code 128, Code 128 parsed ◦ Ean8s, Ean13s ◦ EanJan8, EanJan13 ◦ ITF (Code 2 of 5) • Added back the printer discovery option in the Device Manager for the IP/WiFi port type. • When using Bluetooth communications with a CPCL service object an exception will be thrown if the printer goes offline or becomes unreachable. • 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.

		<ul style="list-style-type: none"> • Corrected an issue where characters were not printed correctly when using UTF-8/UTF-16 encoding and Bluetooth communication. • Improved control for sizing QR and DataMatrix barcodes. • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZD220 ◦ ZD230 ◦ ZD888 ◦ ZQ120 ◦ ZQ220 ◦ ZQ630/ZQ630R ◦ ZR138
03 Sep 2019	1.14.1.104	<ul style="list-style-type: none"> • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZQ112 ◦ ZQ210 ◦ ZQ511 ◦ ZQ511R ◦ ZQ521 ◦ ZQ521R ◦ ZR118 ◦ ZT411 ◦ ZT411R ◦ ZT421 ◦ ZT421R
24 Feb 2020	1.14.1.110	<ul style="list-style-type: none"> • Improved the status reporting for printer related error conditions in the ZPL SO. • Added support for the following printer models: <ul style="list-style-type: none"> ◦ ZD411 ◦ ZD421 ◦ ZD611 ◦ ZD611R ◦ ZD621 ◦ ZD621R
03 May 2022	1.14.1.131	<ul style="list-style-type: none"> • Updated the .NET Framework support. • This software now requires .NET Framework 4.8 due to .NET Framework 4.5.x and 4.6.x reaching end of support in April 2022. In line with this change, the software is no longer being tested or supported on Windows 7 or Windows 8.1.
05 Dec 2022	1.14.1.143	<ul style="list-style-type: none"> • Corrected an issue where a ^XZ was not sent after the configuration parameters when the tracking mode was set to Gap or Mark. • A ^XA no longer prepends the data sent when using the Direct IO method.

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| | | <ul style="list-style-type: none">• Added support for the following printer models:<ul style="list-style-type: none">◦ ZQ120 Plus◦ ZQ220 Plus◦ ZQ310 Plus◦ ZQ320 Plus◦ ZQ610 Plus◦ ZQ620 Plus◦ ZQ630 Plus◦ ZQ630R Plus◦ ZR328 Plus◦ ZR668 Plus |
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<https://www.zebra.com/contact>

Zebra Technologies Corporation
Corporate & International Headquarters
3 Overlook Point
Lincolnshire, Illinois 60069 USA
Phone: +1 847 913 2259
Fax: +1 847 913 2578

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