

# ZQ300 Series Mobile Printers

## Class-leading mobile printing versatility, durability and remote management

Mobile printing capabilities in your retail store directly impact customer service quality and associate productivity. Time spent by your field workers writing receipts could be time spent making more customer visits. The Zebra ZQ300 Series printers let your associates do it all. With receipt printing, associates can ring up sales anywhere in the store. With on-the-spot printing of labels, store associates can complete markups, markdowns and shelf label audits faster and more accurately. Choose the dark grey color scheme with scuff resistant exterior adding extra protection for demanding environments and outdoor use or the more contemporary silver and black color scheme—perfect for design conscious retail customers.



### More Versatility For More Value

#### Connect to Virtually Any Handheld

Pair the ZQ300 Series with practically any mobile device—any Bluetooth®-enabled Zebra mobile handheld computer and tablet, as well as any Android™, iOS®, Windows® CE and Windows Mobile device. It's also MFi certified for iOS devices.

#### One Printer—Dual Capabilities: Receipts and Labels

Now, one printer can do double duty: the same printer your store associates use for point of sale transactions can also print labels for shelves, item markdowns and markups.

### Print Inside—and Outdoors

With IP54 sealing and support for water-resistant media, you can count on the indoor and outdoor model to print legible text and scannable barcodes, even in the rain or snow.

### Global Media Support

The ZQ300 Series accommodates international metric and US media widths.

### Less Waste with Linerless Media

Go greener with linerless media. Workers no longer need to manage used liner material throughout their shift. And since linerless media has up to 60% more labels per roll, it requires fewer roll changes, improving printer uptime—and worker productivity.

### Superior Industrial Design

#### Sleek on the Outside, Superior Zebra Design on the Inside

The lightweight design ensures user comfort all shift long. The slim profile makes it easy to use in tight spaces. And while its contemporary look fits into the most design-conscious retail store, you get the durability for which Zebra is famous. It's the only printer in its class to offer triple durability specifications: IP54 sealing, and specifications for a 5 ft./1.5 m drop and 500-drop tumble, which simulates the real-world tumbling that follows a drop.



The affordable mobile printer that delivers big business value—The ZQ300 Series  
For more information about the ZQ300 Series,  
visit [www.zebra.com/ZQ300](http://www.zebra.com/ZQ300)

## Faster, Easier and Highly Reliable Wireless Connections

### The Latest Wireless Connections for Faster Printing

Enjoy superior printing speeds and power efficiency with the latest in Bluetooth connectivity, Bluetooth Classic and Low Energy (BLE). And with support for WLAN 802.11ac and the latest Wi-Fi™ security protocols, you get blazing fast and secure connections.

### Robust and Reliable Connectivity

Zebra's patented Power Smart Print Technology™ offloads processing from the printer CPU, freeing up processing power to better manage wireless communications, giving you more consistent and dependable wireless connections for maximum productivity.

### Split-Second, Tap-To-Pair Simplicity

The integrated NFC tag allows users to pair the ZQ300 Series with any Zebra NFC-enabled mobile device with a quick tap. Even new and temporary workers are up and running in seconds.

## Maximize Battery Power and Minimize Battery Management Time and Cost

### Full-Shift Power and Extraordinary Battery Management

The PowerPrecision+ 2280 mAh battery, a unique sleep mode, plus patented Power Smart Print Technology™ combine to minimize power requirements, offering one of the longest cycle times in this class. A wealth of battery metrics makes it easier than ever to identify and replace aging batteries before they impact productivity.

### Power-Saving Sleep Mode with Instant Wake

This intelligent printer automatically enters sleep mode when it is idle, and automatically wakes up upon receipt of a printing job.

### Reduce Battery Power Consumption Up to 30 Percent

While competitive devices provide a constant level of power, the ZQ300 Series print speed is adjusted dynamically in real time with patented Power Smart Print Technology™—using many factors, including motor torque, battery and print head temperature, print density and more. As a result, power consumption is reduced by an average of 20 to 30 percent per battery cycle.

### The Most Charging Options for Maximum Flexibility and Scalability

Multi-slot printer and battery chargers—which can also accommodate select Zebra mobile computers—make it easy to cost-effectively create a rack-based backroom charging station for all your devices. Single-slot printer and battery chargers are ideal on any desk. And with the AC-to-USB power adapter, users can simply plug the printer into any outlet to charge.

## Superior Printer Management

### Industry-First Application for Easy, Remote Management

Zebra's one-of-a-kind Bluetooth Remote Management application gives you real-time visibility and remote management of all ZQ300 Series printers that are connected to any Android device via Bluetooth. This application collects and sends a wealth of information about the ZQ300 Series to your Mobile Device Management (MDM) solution—either Zebra's Printer Profile Manager Enterprise printer management software or SOTI MobiControl. Now, the same tool you use to remotely manage your other mobile devices also allows you to easily update, monitor and troubleshoot your mobile printers, all in real-time from a remote central location. And since this solution utilizes a secondary Bluetooth communication channel, it won't interfere with ZQ300 Series printing.

### Zebra Print DNA—Your Printers' Built-In Advantage

Print DNA's suite of software capabilities leverages everything we've learned about technology, users and thousands of use cases. Stay a step ahead with remote management tools, heightened security, and ongoing updates, so your printers work at their highest potential.

### Optional Printer Management Services for Maximum Flexibility

Our cloud- and subscription-based Asset Visibility Service (AVS) provides insight into the basic health information and proactive steps required to keep your ZQ300 Series printers up and running—all for just pennies a day. Operational Visibility Service (OVS) connects to an MDM and allows you to monitor just about any aspect of your Zebra printer, as well service and repair status. See the current status and disposition of all of your printers, printers at a specific site, specific models or a specific printer—and much more.

### Consistently Exceptional Zebra Certified Supplies

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we design, produce and rigorously pretest our own line of thermal printing supplies to ensure consistent, optimized performance in your Zebra printer.

### Maximize Printer Availability with Zebra OneCare™ Services

Get unmatched support—direct from the manufacturer—with live agent telephone technical support, comprehensive coverage, including accidental damage and defined repair and turnaround times. Plus, optional services like Device Commissioning, Onsite Repair, Battery Refresh and Replacement Service and Express Shipping let you tailor your service plan to your individual business needs.

# Specifications

Physical Characteristics	
<b>Dimensions</b>	ZQ310: 130 mm L x 93.5 mm W x 49.5 mm H 5.12 in. L x 3.68 in. W x 1.95 in. H ZQ320: 130 mm L x 117.7 mm W x 49.5 mm H 5.12 in. L x 4.63 in. W x 1.95 in. H
<b>Volume</b>	ZQ310: 601.7 cc/36.7 cubic in. ZQ320: 757.4 cc/46.2 cubic in.
<b>Weight with battery</b>	ZQ310: 0.37 kg/0.81 lbs ZQ320: 0.43 kg/0.95 lbs
Printer Specifications	
<b>Operating System</b>	Link-OS® printer operating system
<b>Print Method</b>	Direct Thermal
<b>Resolution</b>	203 dpi/8 dots mm
<b>Memory</b>	128MB RAM, 256MB Flash (48 MB User Available)
<b>Battery</b>	Li-Ion 2280 mAh, 7.2V, PowerPrecision+
<b>Maximum Print Width</b>	ZQ310 printer: 48 mm/1.89 in. ZQ320 printer: 72 mm/2.83 in.
<b>Maximum Print Speed</b>	Up to 4 ips (100 mm/s)
<b>Media Sensors</b>	Black mark Gap (optional) (bar sensor is for the top side marks only)
<b>Programming Languages</b>	CPCL, ZPL. The ZPL programming language ensures full compatibility with many other Zebra printers
<b>Cutter</b>	Tear bar
<b>Print Direction</b>	Horizontal and vertical
Media Characteristics	
<b>Media Width</b>	ZQ310 printer: 58 mm ±0.75 mm/2.28 in. ±0.02 in.; spacers available to support 50.8 mm ±0.75 mm/2 in. ±0.02 in. ZQ320 printer: 80 mm ±0.75 mm/3.15 in. ±0.02 in.; spacers available to support 76 mm ±0.75 mm/3 in. ±0.02 in.
<b>Maximum Roll Outside Diameter</b>	40 mm/1.57 in.
<b>Media Holder</b>	Drop-in fixed media width (clamshell)
<b>Media Thickness</b>	0.05334 mm/0.0021 in. to 0.16 mm/0.0063 in.
<b>Media Types</b>	Direct thermal: receipt paper, linerless labels, labels
<b>Minimum Receipt Length</b>	12.5 mm/0.49 in.
<b>Maximum Receipt Length</b>	Unconstrained in line mode
<b>Label Counter</b>	Odometer
Operating Characteristics	
<b>Operating Temp.</b>	-15° to +50°C/5° to +122° F
<b>Storage Temp.</b>	-20° to 60°C/-4° to +140° F

<b>Charging Temp.</b>	0° to 40°C/0° to +140° F
<b>Operating Humidity</b>	10% to 90% non-condensing
<b>IP Rating</b>	IP54
<b>Drop Specification</b>	1.5 m/5 ft. tested over operating temp. range
<b>Tumble Specification</b>	500 free falls from 1 m/3.3 ft.
<b>Vibration</b>	MIL STD 810
<b>Agency Approvals</b>	FCC Part 15 and EN 55022 Class B limits; FCC, IC, and European Standards for Bluetooth and 802.11a/b/g/n; T V and IEC 60950 standard for Safety; NOM, C-Tick, VCCI, S-Mark, PSE, CCC, MII Bluetooth SIG-registered and Wi-Fi certified
<b>Validation Testing</b>	The ZQ300 Series printers have been tested with industry-leading applications to verify interoperability and improve overall optimization with validated terminals. Zebra Independent Software Vendor (ISV) Partners create industry leading software solutions to solve business problems. Zebra works closely with these ISVs to integrate printing and other capabilities of Zebra products. Zebra-validated applications can be found at <a href="http://www.zebra.com/validation">www.zebra.com/validation</a>
Communication And Interfaces Capabilities	
<b>Bluetooth</b>	BR/EDR, LE 4.2
<b>USB 2.0</b>	Client, Type-C™ connector
<b>NFC</b>	Passive NFC tag
<b>Host OS Supported</b>	Windows compatibility: (.NET, Pocket PC, Windows Mobile 2002, Windows Mobile 2003 SE, Windows XP, 2000 and NT via Zebra Windows printer driver and/or our Mobile SDK controls and other applications) Android 2.3, 4.0, 4.1, iOS 5, iOS 6, iOS 7, iOS 10
<b>User Interface</b>	LEDs
WLAN (Optional)	
<b>WLAN</b>	802.11ac
<b>WLAN Security</b>	TKIP, AES encryption, WPA, WPA2, 801.1X (WPA or WPA2) EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
<b>WLAN Features Supported</b>	802.11r, 802.11d, 802.11i, Simultaneous WAN and BT 4.2, Fast roaming using Pairwise Master Key (PMK) caching, Opportunistic Key Caching (OKC), or EAP Fast Session resumption
<b>Internet Protocols over WLAN</b>	UDP/TCP, DHCP/BootP, FTP/Mirror, HTTP, SMTP / POP3, Telnet, LPD, SNMP
Barcode Symbolologies	
<b>Barcode Ratios</b>	1.5:1, 2:1, 2.5:1, 3:1, 3.5:1
<b>Linear Barcodes</b>	Codabar (NW-7), Code 39, Code 93, Code 128, EAN-8, EAN-13, 2 and 5 digit add-on, Interleaved 2-of-5, UCC/EAN 128, UPC-A, UPC-E, 2 and 5 digit add-on

## Markets and Applications

- Field Service**
- Invoices/Receipts
  - Inventory Lists
  - Schedule Printouts
  - Parts Reconciliations
- Transportation and Logistics**
- Invoices
  - Receipts
  - Ticketing
- Government**
- Parking Violations
  - E-citations
  - Utility Meter Reading
  - Postal Delivery Notices
- DSD**
- Invoices
  - Proof of Delivery
- Notices**
- Receipts
  - End-of-Day Reports
- Courier**
- Invoices

## PRODUCT SPEC SHEET

### ZQ300 SERIES MOBILE PRINTERS

<b>2D Barcodes</b>	2D Barcodes: Aztec Code, Data Matrix, GS1/ DataBar™ (RSS) family, MaxiCode, MicroPDF417, PDF417, QR Code, TLC 39
<b>Fonts/Graphics</b>	
<b>CPCL/ZPL (Scalable)</b>	Latin 9, Arabic, Cyrillic, Hebrew, SourceCodePro, NotoMono (CJK), Hans (CJK), Thai (Angsana)
<b>CPCL (Bitmap)</b>	Simplified CN: 24x24 Msung, 16x16 SimSun, Trad CN: 24x24 Mkai, 16x16 New Sans MT, Vietnamese: 16x16 Utah, Japanese 16x16 MS Gothic
<b>ZPL</b>	Standard fonts: 25 bitmapped, smooth-scalable (CG Triumvirate™ Bold Condensed), scalable SourceCodePro, scalable NotoMono (CJK), scalable Hans (CJK), Optional fonts: Downloadable bitmapped and scalable fonts, *Contains UFST from Agfa Monotype Corporation

#### Printer Supplies

For industry-leading quality, service and thermal printing expertise, choose Zebra Certified Supplies to ensure consistent, optimized performance for your Zebra printer

#### Included In The Box

Printer, battery (Li-Ion 2280 mAh), belt clip, USB cable (Type C to Type A), Quick Start Guide, registration card, Safety Guide, Regulatory Guide

#### Print DNA Software

Durable printers are essential, but it's the software inside that will keep them in action. That's why we built Zebra Print DNA into our printers. It's a suite of software capabilities that give you the ability to optimize printer performance over their entire lifecycle even as your business needs evolve. For more information, please visit [www.zebra.com/printdna](http://www.zebra.com/printdna)

#### Product Warranty

The ZQ300 Series printers are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: [www.zebra.com/warranty](http://www.zebra.com/warranty)

#### Recommended Services

Zebra OneCare Essential and Select Services maximize the availability and productivity of your devices. Key features include 24/7 technical support, comprehensive coverage, advance replacement and software updates. Optional Visibility Services are available. For more information go to [www.zebra.com/zebraonecare](http://www.zebra.com/zebraonecare) Note: Service availability may vary by region.

