



ZQ300 Series vs. iMZ Series

PRODUCT COMPARISON

The ZQ300 Series is Zebra's next generation mid-tier mobile printer, replacing the iMZ Series. Major enhancements include class-leading battery and power technologies, more durable specifications, faster wireless connections and two models to meet the needs of different verticals: receipt printing for outside the four wall applications like T&L and receipt and label printing for inside the four wall applications like retail. Following is a brief description of the key advantages of the ZQ300 Series.

One printer — dual capabilities: receipts and labels

With the inside the four walls model, one printer can do double duty: the same printer that store associates use to print receipts for point of sale transactions can also print labels for shelves as well as item markdowns and markups. This versatility provides more value and a faster return on investment.

PowerPrecision+ battery for full-shift power and extraordinary battery management capabilities

With the ZQ300 Series, you can be sure that every worker has plenty of power for every shift. The PowerPrecision+ 2280 mAh battery, a unique sleep mode and patented Power Smart Print Technology™ combine to minimize power requirements, offering one of the longest cycle times in this class. A wealth of easily accessible battery metrics makes it easier than ever to identify, remove and replace aging batteries before they impact productivity.

More durable specifications

The ZQ300 Series offers triple durability specifications to meet the demands of life outdoors and in the retail store. You can count on reliable operation day in and day out, even if employees drop it, bump it, use it in a dusty backroom or splash liquid on it. Durability enhancements for the ZQ300 Series includes: IP54 sealing (which adds protection against dust and splashing water compared with the ZQ300's IP42 sealing), a higher drop specification (1.5 m/5 ft. vs. 1.2m/4 ft.), a 500-drop tumble specification and a wider operating temperature range. And the outside the four walls model features scuff resistant housing to help keep it looking like new.

Convenient USB charging

With the ZQ300 Series's AC-to-USB power adapter, users can simply plug the printer into any outlet to charge.

Faster wireless connections

The ZQ300 Series delivers superior printing speeds and power efficiency with Bluetooth 4.0 Classic and Low Energy. And with support for WLAN 802.11ac and the latest Wi-Fi security protocols, you get blazing fast and secure connections whether you connect the ZQ300 Series to a host mobile device or a Wi-Fi network. *Note: Bluetooth/Wi-Fi are standard on the inside the four walls model; Wi-Fi is optional on the outside the four walls model.*

Slimmer profile to fit in tight spaces

The ZQ300 Series features a slimmer profile than the iMZ Series — making it easier for workers to wear in tight spaces and cramped aisles without bumping into fixtures or walls.

Go greener with linerless media

The ZQ300 Series supports linerless media, so workers no longer need to dispose of used liner material. And since linerless media has up to 60% more labels per roll, it requires fewer roll changes, improving printer uptime and associate productivity.

Support for global media

With support for either the ZQ310 (2.28 in./58 mm) or the ZQ320 (3.15 in./80 mm) wide media, the ZQ300 Series can accommodate US standard and international metric media widths.

Feature Comparison

ZQ300 SERIES VS. iMZ SERIES

FEATURE	iMZ SERIES	ZQ300 SERIES
 		
PRINTING		
Print Technology	Direct Thermal	
Media Supported	Receipts	Receipts, labels, linerless (Note: label support is standard on inside the four walls models only)
Maximum Roll Outside Diameter	47.8 mm/1.88 in.	40 mm/1.57 in. (Note: due to differences in physical dimensions, iMZ320 media is not compatible with the ZQ300 Series)
Maximum Media Width	iMZ220: 2.0 in. ± 0.03 in./50.8 mm ± 0.76 mm iMZ320: 3.0 in. ± 0.03 in./76.2 mm ± 0.76 mm	ZQ310: 2.28 in. ± 0.02 in.; 58 mm ± 0.75 mm ZQ320: 3.15 in. ± 0.02 in.; 80 mm ± 0.75 mm
Maximum Print Speed	4 ips	4 ips
Label Sensors	Black bar	Gap, black bar (Note: gap sensor is on the inside the four walls model only)
PHYSICAL		
Size	iMZ220: 57.4 L x 80.77 W x 135.6 H mm/2.26 L x 3.18 W x 5.34 H in. iMZ320: 135.6 L x 104.4 W x 57.4 H mm/5.34 L x 4.11 W x 2.26 H in.	ZQ310: 130 L x 93.5 W x 49.5 H mm/5.12 L x 3.68 W x 1.95 H in. ZQ320: 130 L x 117.7 W x 49.5 H mm/5.12 L x 4.63 W x 1.95 H in.
Weight with Battery	iMZ220: 0.32 kg/0.70 lbs iMZ320: 0.34 kg/0.75 lbs	ZQ310: 0.37 kg/0.81 lbs ZQ320: 0.43 kg/0.95 lbs
CONNECTIVITY		
Bluetooth	Bluetooth 2.1	Bluetooth BR/EDR, LE 4.0
WLAN	802.11a/b/g/n	802.11ac
BATTERY		
Battery Capacity	1600 mAh	2280 mAh
Sleep Mode	No	Yes
Battery Management	No	PowerPrecision+: real-time battery metrics
Power Management	No	Power Smart Print Technology
USB Charging	No	Yes
ENVIRONMENTAL		
Sealing	IP42 (IP54 with optional case)	IP54
Drop Specification	Multiple 1.2 m/4 ft. drops to concrete	Multiple 1.5 m/5 ft. drops to concrete
Tumble Specification	None	500 free falls from 1 m/3.3 ft.
Operating Temperature	-10° to 50° C/14° to 122° F	-15° to +50° C/5° to +122° F



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