Mobile Printer Portfolio Guide

FOCUSING ON YOUR PRINTING NEEDS

Equip Your Mobile Workforce with the Power to Print on Demand

Increase your employees' productivity, precision and accuracy. Equip them with wireless mobile printers that are tailored to how they work and the job they do. Printers range from those ideal for occasional use, to rugged machines that feature a range of latest connectivity options and robust functionality that keeps you operating in even difficult situations.

Choose the Printer that is Perfect for Your Needs

Regardless of your industry or whether you're printing barcodes, labels, receipts or tickets, we make it easy to compare Zebra mobile printer features, performance and cost. Our Premium line will keep you printing in even the most challenging, high volume environments. Rely on our Midrange printers for moderate volume, less demanding applications. And our Value class is an ideal lower volume, lower cost solution.

PREMIUM

QLn Series

Lightweight, drop resistant and user friendly, QLn™ mobile printers are ideal for warehousing, shipping and receiving, and merchandising. Our QLn220 and QLn320 Healthcare mobile printers with disinfectant-ready plastics are ideal for mobile specimen collection or other healthcare applications. Use them to print barcode labels, receipts and other documents exactly when and where they're needed. The Link-OS® technology makes them easy to integrate, manage and maintain from a PC, smartphone or tablet, anywhere in the world.

RUGGED PREMIUM

ZQ500 Series

The industry's most rugged mobile printers that can withstand repeated drops to concrete from 6.6' (2m). With an IP54 rating, they are protected from liquid and solid ingress, plus have a Mil-Std 810g rating for shock and drop. Large buttons and a user-friendly interface are easy to operate, even when wearing gloves. Zebra's Link-OS makes them simple to integrate, manage and maintain.

MID RANGE

iMZ Series

These mid-range printers have the features you need, in the design you want, for the price you can afford. With the latest connectivity options, the iMZ printers are perfect for applications both inside and outside the four walls. With the small, stylish design, they work well in customer facing environments and are compatible with the latest smartphone and tablet operating systems.

VALUE

EZ320 Mobile Printer[*]

Zebra's EZ320™ mobile printer offers outstanding performance with the features you need to best meet a variety of mobile receipt and ticket applications. Bluetooth® wireless connectivity, a rugged design and an easy-to-charge 8-hour battery enable true mobility and reliable performance on the road, on farms, in retail stores, or in warehouse and manufacturing environments. And fast print speed combines with easy loading and operation to enhance user efficiency.

ZQ110 Mobile Printer

This affordable 2-inch mobile printer produces receipts and tickets on demand and on the go. Although it prints at speeds up to 3.5 inches-per-second, it slips easily into a pocket and weighs only eight ounces. The "sleep mode" helps to conserve battery power, and the mobile printer connects wirelessly to a range of Apple, Android and Windows devices.

*Only available in selected countries.

Software

Demand is growing for devices that are mobile, intelligent and connected to the cloud. This emerging need calls for new technologies and solutions. In response, Zebra has created the Link-OS environment: an open platform that pairs an operating system for smart Zebra devices with powerful software apps, making the devices easy to integrate, manage and maintain from any location.

For more information go to zebra.com/linkos

Service

The Zebra OneCare Service portfolio maximizes the availability and productivity of your devices. Key features include technical support, software support & update* and comprehensive coverage. Optional Visibility Services are also available for all Link-OS enabled printers.

Zebra provides help desk support & update for software, excluding custom software applications, modifications and customer configurations.

For more information go to zebra.com/zebraonecare

Supplies

Quality Supplies Are Business Critical
The labels, tags and receipt paper used in your operations provide you with critical information to your business. It helps enhance the customer experience, enables you to improve operational efficiency, supports the growth of your business and can even ensure brand consistency. Using the wrong label for the application, or one that is of low quality, could lower productivity as well as customer satisfaction.

Discover the Value of Zebra Supplies
Zebra has intimate knowledge of thermal printers and understands the importance of using quality materials and processes. When you use high-quality, pre-tested, reliable Zebra Supplies you can rest assured that the supplies you rely on to provide critical data to improve your operations, don't negatively affect your operational productivity and efficiency.

For more information go to zebra.com/supplies

Accessories

You rely on mobile printers to increase employee productivity and accuracy. Whether you're printing labels, receipts or tickets, accessories like Batteries, Chargers and Cradles, Carrying Options and others will help to make your entire operation faster, more flexible and more reliable even in harsh or other demanding environments. These accessories can help to extend your capabilities and enable you to lower the total cost of ownership.

For more information go to zebra.com/accessories

Using this Interactive Guide

All of the Zebra mobile printers are listed in this interactive guide. **Click on the icon menu below** to search by market or printer series and find the mobile printer that's right for your printing needs.

BY MARKET

BY PRINTER SERIES

VALUE

Retail and Hospitality
MOBILE EXECUTION

Mobility has dramatically transformed the way we engage with connected customers, and the way we work. The mobile worker has to do more tasks in a more efficient and coordinated way. This provides better customer service, and ultimately a more profitable business through relevant consumer engagement, increased sales conversion and greater customer loyalty.

Primary Use Case	Ideal Applications	Print Width	Printer
Inventory/Price Display Compliance Click and Collect	• High-duty cycle environment • Optimized for labels, can print receipts • Durable mobile printer	**4"/ 104mm** labels, receipts and/or tags	
		3"/ 72mm labels, receipts and/or tags	
		2"/ 48mm labels, receipts and/or tags	
Inventory Management, Cycle Count Receiving, Put-Away, Reverse Logistics Picking, Staging, Packing, Shipping	• High-duty cycle environment • Optimized for labels, can print receipts • Durable mobile printer	**4"/ 104mm** labels, receipts and/or tags	
		3"/ 72mm labels, receipts and/or tags	
		2"/ 48mm labels, receipts and/or tags	
	• High-duty cycle environment • Optimized for receipts, can print labels • Most rugged mobile printer	**4"/ 104mm** receipts and/or labels	
		3"/ 72mm receipts and/or labels	
Quick and Efficient Checkout Customer Experience	• High-duty cycle environment • Optimized for receipts, can print labels • Most rugged mobile printer	**3"/ 72mm** receipts	
	• Medium-duty cycle environment • Optimized for receipts, can print labels* • Stylish for customer facing applications	**3"/ 72mm** receipts	
		2"/ 48mm receipts	
	• Low-duty cycle environment • Optimized for receipts • Smallest, lightest and least expensive mobile printer	**3.15"/ 80mm** receipts	
		2"/ 48mm receipts	

*Please consult Zebra for type of labels supported. ^Only available in selected countries.

Healthcare
SPECIMEN COLLECTION

Mobility in the Healthcare environment has transformed the process of accurate patient ID and specimen collection. Ensure the right specimen is collected from the right patient, at the right time and placed in the correctly labeled container, ensuring the right results — and the right course of treatment. The label is generated using a mobile device and immediately applied to vial or sample encasement.

Primary Use Case	Ideal Applications	Print Width	Printer
Specimen Collection Blood Bank Management	• High-duty cycle environment • Optimized for labels, can print receipts • Healthcare facility - phlebotomy lab, hospital and/or pharmacy • Printing at the point of application • Disinfectant-ready mobile printer	3"/ 72mm labels	
		2"/ 48mm labels	

Transportation and Logistics
FLAWLESS FULFILLMENT

Mobility has effectively transformed the way Transportation and Logistics operations redesign and execute processes to obtain productivity gains. The mobile worker is becoming more efficient and connected. This provides additional levels of visibility that translate into better customer service, and ultimately a more profitable business through sales process optimization and flawless fulfillment of products and services.

Primary Use Case	Ideal Applications	Print Width	Printer
Receiving, Put-Away, Reverse Logistics Inventory Management, Cycle Count Cross-Docking Picking, Staging, Packing, Shipping	• High-duty cycle environment • Optimized for labels, can print receipts • Forklift mounting** • Rugged mobile printer	4"/ 104mm receipts and/or labels	
		3"/ 72mm receipts and/or labels	
	• High-duty cycle environment • Optimized for receipts, can print labels • Most rugged mobile printer	4"/ 104mm receipts and/or labels	
		3"/ 72mm receipts and/or labels	
Direct Store Delivery Fleet Management and Maintenance Proof of Pickup and Delivery Ticketing In-Cabin Services	• High-duty cycle environment • Optimized for receipts, can print labels • Most rugged mobile printer	4"/ 104mm receipts and/or labels	
		3"/ 72mm receipts and/or labels	
	• Medium-duty cycle environment • Optimized for receipts, can print labels* • Durable mobile printer	3"/ 72mm receipts and/or labels*	
		2"/ 48mm receipts and/or labels*	
	• Low-duty cycle environment • Optimized for receipts • Smallest, lightest and least expensive mobile printer	3.15"/ 80mm receipts	
		2"/ 48mm receipts	

*Please consult Zebra for type of labels supported. **Only compatible with the QLn420.
^Only available in selected countries.

Manufacturing
DYNAMIC SERVICE

Mobility solutions bring to Manufacturing operations process optimization and supply chain visibility, among others. The mobile worker is now a connected node integrated to the system, sensing and collecting data to act with insight. Customer service levels are improved, and ultimately a more profitable business through gained productivity and visibility.

Primary Use Case	Ideal Applications	Print Width	Printer
Raw Materials Finished Goods	• High-duty cycle environment • Optimized for labels, can print receipts • Durable mobile printer	**4"/ 104mm** labels and/or receipts	
		3"/ 72mm labels and/or receipts	
Field Sales Field Service Direct Store Delivery Proof of Delivery	• High-duty cycle environment • Optimized for receipts, can print labels • Most rugged mobile printer	**4"/ 104mm** receipts and/or labels	
		3"/ 72mm receipts and/or labels	
	• Medium-duty cycle environment • Optimized for receipts, can print labels* • Durable mobile printer	**3"/ 72mm** receipts and/or labels*	
		2"/ 48mm receipts and/or labels*	
	• Low-duty cycle environment • Optimized for receipts • Smallest, lightest and least expensive mobile printer	**3.15"/ 80mm** receipts	
		2"/ 48mm receipts	

*Please consult Zebra for type of labels supported. ^Only available in selected countries.

Link-OS™

QLn Series

PREMIUM

ZEBRA'S MOST VERSATILE MOBILE PRINTER SERIES

Zebra's user-friendly QLn mobile printers help you print barcode labels and more, wherever and whenever needed. Optimized for high duty cycle label and receipt printing and designed to enhance business processes through easy integration and operation, QLn Series printers deliver higher workplace performance. And, with faster processing, increased memory and a range of accessories, QLn printers help increase both user and operational efficiencies.

Competitive Attributes

- Optimized for high duty cycle label printing, can also do receipts and tags
- Dual-band support for 2.4GHz and 5GHz, dual radio 802.11 and Bluetooth®
- Remote management via Ethernet cradles and support for third party MDM vendors Wavelink, Soti, and Airwatch®
- Easy-to-navigate and easy-to-customize display
- Smart Battery with health indications to support proactive maintenance

- Large roll outer diameter for large capacity media
- "Made for iPod®/ iPhone®/ iPad®" (MFi)-certified and also support Android™ and Windows® devices via multi-platform SDK APPs
- Link-OS® enabled
- Proactive alerts
- Full accessory line, including forklift mounts

	QLn420	QLn320	QLn220	QLn220 Healthcare	QLn320 Healthcare
Ideal Vertical Markets					
Weight	2.45 lbs/1.1 kg	1.6 lbs/0.73 kgs	1.25 lbs/0.57 kgs	1.25 lbs/0.57 kgs	1.6 lbs/0.73 kgs
Print Width	4"/ 104mm	3"/ 72mm	2"/ 48mm	2"/ 48mm	3"/ 72mm
Max Media Width	4.4"/ 112mm	3.12"/ 79mm	2.18"/ 55.4mm	2.18"/ 55.4mm	3.12"/ 79mm
Battery Capacity	4900 mAh	2450 mAh **OPTIONAL** 4900 mAh	2450 mAh **OPTIONAL** 4900 mAh	2450 mAh	2450 mAh
Cycle	High Duty	High Duty	High Duty	High Duty	High Duty
Media Roll Diameter	**INNER** 0.75"/ 19mm **OUTER** 2.6"/ 66mm	**INNER** 0.75"/ 19mm **OUTER** 2.6"/ 66mm	**INNER** 0.75"/ 19mm **OUTER** 2.2"/ 56mm	**INNER** 0.75"/ 19mm **OUTER** 2.2"/ 56mm	**INNER** 0.75"/ 19mm **OUTER** 2.6"/ 66mm

Link-OS™

# ZQ500 Series

ZEBRA'S SOLUTION FOR EXTREME ENVIRONMENTS

Zebra's ZQ500 Series are best-in-class and the industry's most rugged mobile printers for applications outside of a business's four walls. The premium 3" (76mm) ZQ510™ and 4" (102mm) ZQ520™ printers are Zebra's next-generation of high-performance mobile printers optimized for high duty cycle receipt and medium duty cycle label printing. The printers' patented military-grade design provides exceptional durability and reliability for mobile applications in the toughest environments.

Competitive Attributes

- Ruggedness, with MIL-STD 810g certification for drop, shock and vibration
- 6.6'/ 2m drop (10'/ 3.05m with exoskeleton)
- IP54 for protection against liquids and dust ingress (IP65 with exoskeleton)
- Link-OS® enabled

- Latest BT standards with Bluetooth® 4.0 Low Energy
- Reliable connectivity – 802.11 a/b/g/n
- Speed of up to 5ips
- Full accessory line, including a magnetic stripe reader

	ZQ510	ZQ520
Ideal Vertical Markets		
Weight	1.39 lbs/ 0.63kgs	1.73 lbs/ 0.79kgs
Print Width	3"/ 72mm	4"/ 104mm
Max Media Width	3.15"/ 80mm	4.45"/ 113mm
Battery Capacity	2450 mAh OPTIONAL 4900 mAh	2450 mAh OPTIONAL 4900 mAh
Cycle	High Duty	High Duty
Media Roll Diameter	INNER 0.75"/ 19mm OUTER 2.24"/ 57mm OPTIONAL 0.5"/ 13mm	INNER 0.75"/ 19mm OUTER 2"/ 51mm OPTIONAL 0.5"/ 13mm

Link-OS™
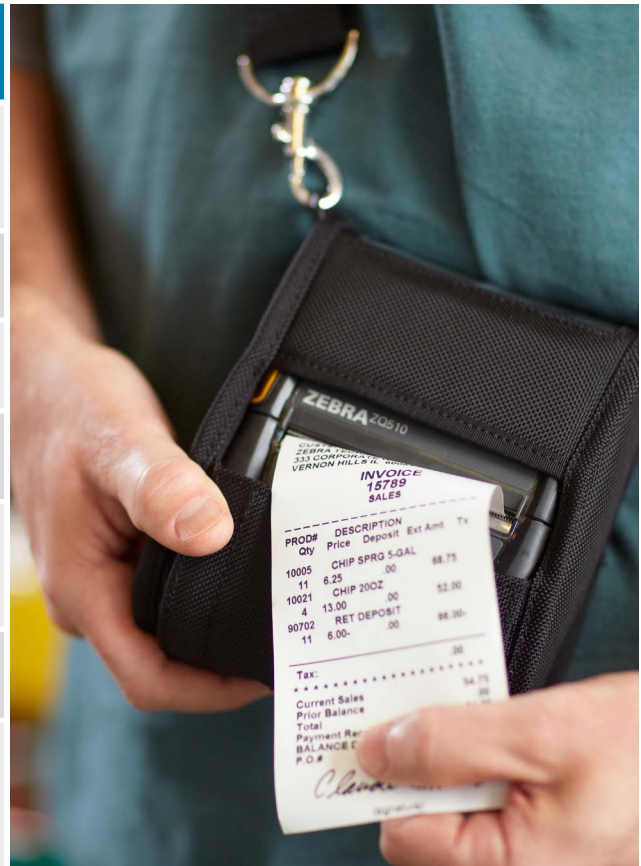
iMZ Series

MID RANGE | **ZEBRA'S MID-RANGE PRINTERS WITH THE BEST OF FEATURES, SIZE AND PRICE**

Perfect for medium duty cycle receipt and label* printing, the iMZ Series printers make it easy to simplify transactions with on-demand 2" (51mm) and 3" (76mm) receipts, invoices and labels. Lightweight and compact, these printers support medium-duty printing in customer-facing environments where productivity and accuracy are critical to job performance.

Competitive Attributes

- Great looking design that's lightweight
- World class SDKs and support for application in any development environment
- High-speed processor and extensive memory for printing complex barcodes, fonts and graphics
- Link-OS® enabled supporting third party MDM systems such as Airwatch, or cloud connectivity

- Fast printing of 4ips
- Secure Bluetooth® 2.1 (or 3.0 with the Dual Radio model), 802.11 a/b/g/n or USB connectivity
- Faster processing and long lasting battery for long work shifts
- Best connectivity options for indoor and outdoor applications

	iMZ220	iMZ320
Ideal Vertical Markets		
Weight	0.70 lbs/ 0.32kgs	0.75 lbs/ 0.34kgs
Print Width	2"/ 48mm	3"/ 72mm
Max Media Width	2"/ 50.8mm	3"/ 76.2mm
Battery Capacity	1620 mAh	1620 mAh
Cycle	Medium Duty	Medium Duty
Media Roll Diameter	**INNER** 0.5"/ 12.7mm **OUTER** 1.88"/ 47.8mm	**INNER** 0.5"/ 12.7mm **OUTER** 1.88"/ 47.8mm

*Please consult Zebra for type of labels supported.
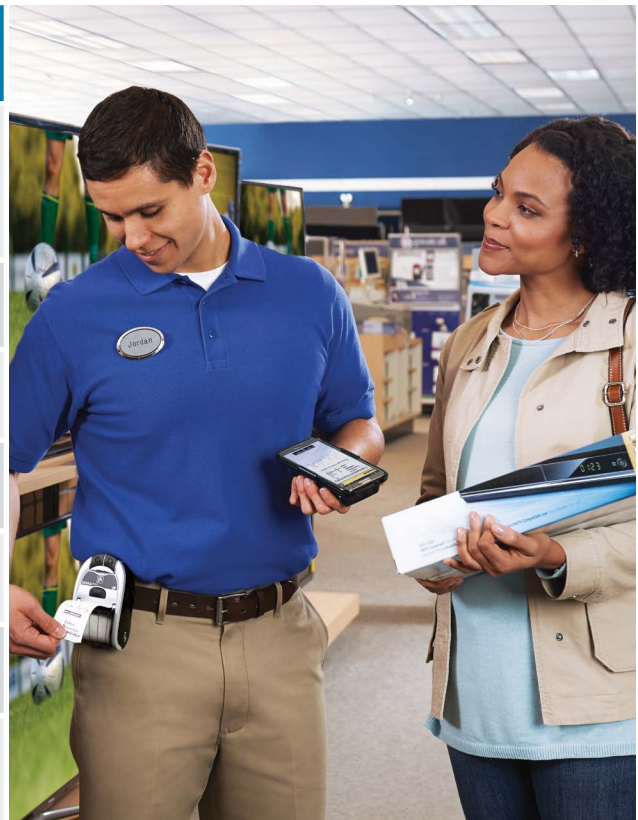
EZ320 Printer

ZEBRA HIGH QUALITY MOBILE PRINTER WITH FEATURES YOU NEED

Zebra's EZ320™ mobile printer offers outstanding performance with the features you need to best meet a variety of mobile receipt and ticket applications. Affordable, small, lightweight and attractive, Zebra brings you a high-quality, durable receipt and ticket printer at a competitive price.

Competitive Attributes

- Bluetooth® wireless connectivity
- A rugged design
- Fast print speed
- Easy-to-charge 8-hour battery
- Easy loading and operation

	EZ320
Ideal Vertical Markets	
Weight	0.65 lbs /0.29kgs
Print Width	3.15" /80mm—**ADJUSTABLE MEDIA OPTION TO GET** 2.36" /60mm
Max Media Width	3.15"/ 80mm
Battery Capacity	1160 mAh
Cycle	Low Volume
Media Roll Diameter	**INNER** 0.5"/ 12.7mm **OUTER** 1.57"/ 40mm

ZQ110 Printer

VALUE **ZEBRA'S SMALLEST AND MOST AFFORDABLE MOBILE RECEIPT PRINTER**

Zebra's ZQ110™ Value Class 2" (51mm) mobile receipt printer is the printer of choice for the price-conscious buyer. As Zebra's smallest printer, it easily fits in your pocket—and your budget. With Zebra's reliable service and support, the ZQ110 gives users the benefits of a Zebra-brand product at an affordable price.

Competitive Attributes

- Economical offering
- Compact, lightweight and reliable
- A wide variety of connectivity
- Easily used with the latest Smartphone and Tablet devices

- Suite of charging options
- Supports Magnetic Stripe Reader
- ESC-POS programming language

	ZQ110
Ideal Vertical Markets	
Weight	0.5 lbs/ 0.23kgs
Print Width	2"/ 48mm
Max Media Width	1.89"/ 48mm
Battery Capacity	1200 mAh
Cycle	Low Volume
Media Roll Diameter	**INNER** 0.5"/ 12.7mm **OUTER** 1.18"/ 30mm
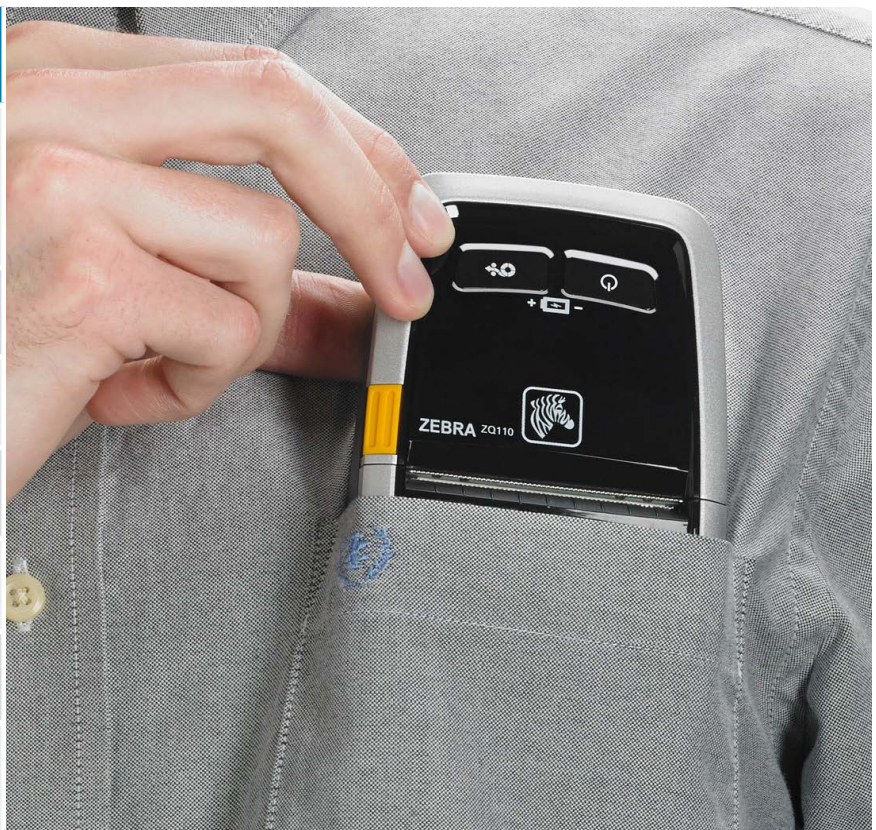
Mobile Printer Specifications

	PREMIUM QLn Series	RUGGED PREMIUM ZQ500 Series	MID RANGE iMZ Series	VALUE EZ320/ ZQ110
	High Duty Cycle Label and Receipt Printing	High Duty Cycle Receipt and Medium Duty Cycle Label Printing	Medium Duty Cycle Receipt and Label* Printing	Low Duty Cycle Receipt Printing

PRINT WIDTH

	QLn Series	ZQ500 Series	iMZ Series	EZ320/ ZQ110
	4", 3", 2"	4", 3"	3", 2"	3", 2"

PRINT AND MEDIA SPECIFICATIONS

	QLn420	QLn320	QLn220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
Max Media Width	4.4" 112mm	3.12" 79mm	2.18" 55.4mm	4.45" 113mm	3.15" 80mm	3" 76.2mm	2" 50.8mm	3.15" 80mm	1.89" 48mm
Outer Core Diameter	2.6" 66mm		2.2" 55.9mm	2.25" 57mm	2" 51mm	1.88" 47.8mm		1.18" 30mm	1.18" 30mm
Inner Core Diameter	0.75"/ 19.05mm			0.75"/ 19.05mm OPTIONAL 0.5"/ 12.7mm		0.5"/ 12.7mm			
Labels	High Volume			Medium Volume		Medium Volume*		—	
Receipts	High Volume			High Volume		Medium Volume		Low Volume	
Print Speed (up to)	4ips/ 102mm/s			5ips/ 127mm/s		4ips/ 102mm/s		2ips/ 50mm/s	3.5ips/ 90mm/s

QUANTITY PER ROLL SPECIFICATIONS

	QLn420	QLn320	QLn220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
6" receipts* (2.3mil)	295		196	208	153	152		—	42
6" linerless labels** (4.2mil)	161		107	114	84	83		—	
6" linered labels*** (6.4mil)	106		70	74	55	54		—	

PHYSICAL SPECIFICATIONS

	QLn420	QLn320	QLn220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
Weight (with battery)	2.45 lbs 1.11 kg	1.6 lbs 0.73kg	1.25 lbs 0.57kg	1.72 lbs 0.79kg	1.39 lbs 0.63kg	0.75 lbs 0.34kg	0.7 lbs 0.32kg	0.65 lbs 0.29kg	0.5 lbs 0.23kg
Battery (Li-Ion, 7.4V)	4900 mAh	2450mAh OPTIONAL 4900mAh		2450mAh OPTIONAL 4900mAh		1620mAh		1160mAh	1200mAh
Sensors	Mark, Gap, Label Present, Media Door open			Mark, Gap, Media Door open		Top Side Mark, Media Door open		Sensors- Out of paper; media door open	Mark, Media Door open
Indicators	LCD: 240 x 128 with WML support			LCD: 240 x 42dots		LEDs		LEDs	
Peeler	Yes			—		—		—	

*Please consult Zebra for type of labels supported.

Mobile Printer Specifications (Continued)

	PREMIUM **QLn Series**	RUGGED PREMIUM **ZQ500 Series**	MID RANGE **iMZ Series**	VALUE **EZ320/ ZQ110**
	High Duty Cycle Label and Receipt Printing	High Duty Cycle Receipt and Medium Duty Cycle Label Printing	Medium Duty Cycle Receipt and Label* Printing	Low Duty Cycle Receipt Printing

ENVIRONMENTAL SPECIFICATIONS

	QLn420	QLn320	QLn220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
Drop Spec (to concrete)	5'/ 1.52m			6.6'/ 2m 10'/ 3m with exoskeleton		4'/ 1.2m		4'/ 1.2m	
Tumble Test (at 1 meter)	—			Yes		—		—	
IP Rating	IP43 (IP54 with case)			IP54 (IP65 with exoskeleton)		IP42 (IP54 with case)		IP42	IP54 (with case)
Operating Temperature	-4~122°F/ -20~50°C**			-4~131°F/ -20~55°C		-14~122°F/ -10~50°C		-14~122°F/ -10~50°C	-5~122°F/ -15~50°C
Storage Temperature	-13~149°F/ -25~65°C			-22~151°F/ -30~66°C		-4~140°F/ -20~60°C		-4~140°F/ -20~60°C	-22~158°F/ -30~70°C

CONNECTIVITY SPECIFICATIONS

	QLn420	QLn320	QLn220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
Bluetooth Capability	3.0			4.0 Low Energy		2.1		2.0	
WLAN Capability	802.11 a/b/g/n, 2.4 and 5.0 GHz			802.11 a/b/g/n, 2.4 and 5.0 GHz		802.11 a/b/g/n, 2.4 and 5.0 GHz		—	802.11 a/b/g/n, 2.4 GHz
Wi-Fi Certified	•			•		•			
Dual Radio (BT + WLAN)	•			•		•			
Link-OS Enabled	•			•		•			
MFi Certified	•			•		•		—	•
Android Compatibility	•			•		•		•	
Windows Compatibility	•			•		•		•	
Wired Capabilities	Ethernet (with cradle), Serial, USB			USB On the Go		USB		USB	

OTHER

	QLn 420	QLn 320	QLn 220	ZQ520	ZQ510	iMZ320	iMZ220	EZ320	ZQ110
Programming Languages	CPCL, EPL, ZPL and Lineprint			CPCL, ZPL and Lineprint		CPCL, ZPL and Lineprint		CPCL	ESC-POS
Magnetic Stripe Reader	—			Optional		—		—	Optional
Dual Tear Bar	—			Yes		—		—	

*Please consult Zebra for type of labels supported.

**Healthcare versions operating temperatures are 32°F to 122°F (0°C to 50°C)

**For more information about Mobile Printers,
visit www.zebra.com**

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