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## ZEBRA MOBILE *iMZ* SERIES PRINTER SPECIFICATIONS

Specifications are provided for reference and are based on printer tests using Zebra brand ribbons and labels. Results may vary in actual application settings or when using other than recommended Zebra supplies. Zebra recommends always qualifying any application with thorough testing.

### Standard Features

- Direct thermal printing of bar codes, text and graphics
- 203 dpi resolution (8 dots/mm)
- Print speed: up to 4 ips (76.2 mm/s)
- CPCL and ZPL programming languages
- Resident fixed and scalable fonts
- 400 MHz 32-bit ARM processor with 128 MB RAM
- 128 MB Flash supports downloadable programs, receipt formats, fonts, and graphics
- USB port
- 1.6 AH Li-Ion battery
- Built in battery charger
- Optical out of media sensing using fixed center position sensor
- Tear bar for easy receipt dispensing
- Supports vertical and horizontal printing
- Printer can be used in any orientation
- Fixed media roll width
- “Clamshell” design for easy media loading
- Management: Mirror, SNMP, Web server (with customizable HTML pages), Wavelink Avalanche<sup>®</sup> [Future firmware update]
- Four LEDs as User Interface indicators
- 4ft (1.2 m ) drop to concrete (multiple times)
- Label odometer
- Bluetooth<sup>™</sup> 2.1 (Order Dual Radio for 3.0 Compatibility)
  - Security modes 1 – 4
  - Bluetooth printing from Apple devices (iOS 6, iOS 5)

### Charging Options

- Charge the battery inside the printer using:
  - AC adapter
  - Four Bay Power Station
  - Vehicle Charging Cable

### Optional Features

- ZebraNet 802.11a/b/g/n radio with support for:
  - WEP, TKIP, and AES encryption

- (802.1X )
- EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
- 802.11i (WPA2), 802.11d, 802.11h
- Wi-Fi (802.11n) certified
- Cisco CCX v4 ASD Certified
- Dual radio 802.11a/b/g/n & Bluetooth<sup>®</sup> 3.0 radio
- Linerless printing (with silicone platen roller only) through CAG (Custom Application Group) request
- ZBI 2.x - Powerful programming language that lets printers run standalone applications, connect to peripherals, and much more

### Accessories

- Spare Batteries
- AC Adapter
- Four Bay Power Station
- Vehicle Charging Cable (with Cigarette lighter adapter)
- Shoulder Strap
- Protective Silicone Skin
- Durability Enhancing Case (IP54 rating when used)
- USB Cable

### Link-OS<sup>™</sup> Solutions

**Print Touch** – simplifies Bluetooth<sup>®</sup> pairing and launches web-based help pages with Near Field Communication enabled devices.

**Profile Manager w/AirWatch connector** – Quickly connect your printer with the AirWatch device management system via WLAN and Ethernet.

**Link-OS<sup>™</sup> Software Development Kit** - Simplifies printing application development with support for Windows, Apple<sup>®</sup>, Android<sup>™</sup>, WinCE<sup>®</sup>, WinMobile<sup>®</sup> and Blackberry<sup>®</sup> platforms

**ZebraDesigner Pro** – An intuitive, easy-to-use software program for creating complex label designs

**ZebraDesigner** – Basic features for simple label design

**ZebraNet Bridge Enterprise** – Centrally manage Zebra printers anywhere on your global network.

**ZebraDesigner Driver** – Zebra driver compliant with Windows 2000/2003/XP, 2008, Vista, Win7, Win 8

**Zebra Setup Utility** – Single printer configuration utility

**ZBI-Developer** – Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer

**Software Solutions**

Zebra Validated Solutions can be found at <http://www.zebra.com/validation>

**CPCL Programming Language**

- Communicates in printable ASCII characters
- Compatible with Servers, PCs, mobile terminals, and smartphone hosts
- Downloadable objects include graphics, bitmap fonts, label templates and formats
- Automatic memory allocation for format while printing
- Automatic serialization of fields
- Automatic print head temperature compensation
- Format inversion (white on black)
- Four position field rotation (0°, 90°, 180°, 270°)
- Programmable label odometer
- Monitor and report battery voltage and temperature
- Easy network and security configuration

**CPCL Font Specifications:** 203 dpi (8 dots/mm)

Fonts	Matrix (in dots) (H x W)	Minimum Char. Size (H x W)	Maximum CPI
0 (Standard)	9 x 8	.044" x .039"	25.4
1 (min. width)	48 x 13	.236" x .064"	15.6
1 (max. width)	48 x 39	.236" x .192"	5.2
2 (OCR-A)	12 x 20	.059" x .099"	10.2
4 Size 0 (min. width)	47 x 11	.232" x .054"	18.5
4 Size 0 (max. width)	47 x 43	.232" x .212"	4.7
5 Size 0 (min. width)	24 x 7	.118" x .034"	29
5 Size 0 (max. width)	24 x 23	.118" x .113"	8.8
6 (MICR)	27 x 28	.133" x .138"	7.3
7	24 x 12	.118" x .059"	16.9

- Standard Fonts: 25 bitmapped, 1 smooth, scalable (CG Triumvirate Bold Condensed\*)
- Optional Fonts: downloadable bitmapped/scalable fonts
- International Character Sets (optional): Chinese 16x16 (traditional), 16x16 (simplified), 24x24 (simplified); Japanese 16x16, 24x24; Korean Mincho, Meong; Russian
- Scalable text feature
- Standard resident fonts can be rotated in 90° increments
- Supports user defined fonts, graphics and logos
- Text concatenation to assign different character styles
- Allows text magnification 1-16 times the original size
- Proportional and fixed-width fonts

\*Contains UFST from Agfa Monotype Corporation

**CPCL Bar Code Symbolologies**

Bar Code Ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1

Linear Bar Codes: Code 39, Code 93, UCC/EAN128, Code 128, Codabar (NW-7), Interleaved 2-of-5, UPC-A, UPC-E, 2 and 5 digit add-on, EAN-8, EAN-13, 2 and 5 digit add-on  
2-Dimensional: PDF417, MicroPDF417, MaxiCode, QR Code, GS1 / DataBar™ (RSS) family, Aztec, MSI/Plessey, FIM Postnet, Data Matrix, TLC39

**CPCL Graphics**

Lines, boxes, and patterns  
 PCX images

**ZPL Programming Language**

- Supports version X.18 (and later)
- Communicates in printable ASCII characters
- Compatible with Servers, PCs, mobile terminals, and smartphone hosts
- Downloadable objects include graphics and bitmap fonts, label templates and formats
- Automatic memory allocation for format while printing
- Automatic serialization of fields
- Format inversion (white on black)
- Mirror-image printing
- Four position field rotation (0°, 90°, 180°, 270°)
- Programmable label odometer
- Slew command
- Programmable label quantities with print, pause
- Advanced Discovery – quickly discover a wide range of printer data with one simple request
- Status messages to host upon request

**ZPL Font Specifications:** 203 dpi (8 dots/mm)

Font	Matrix (in dots) (H x W)	Type*	Minimum Char Size (H x W)	Maximum C.P.I.
A	9 x 5	U-L-D	.044" x .030"	33.3
B	11 x 7	U	.054" x .044"	22.7
C,D	18 x 10	U-L-D	.089" x .059"	16.9
E	28 x 15	OCR-B	.138" x .098"	10.2
F	26 x 13	U-L-D	.128" x .079"	12.7
G	60 x 40	U-L-D	.295" x .236"	4.2
H	21 x 13	OCR-A	.103" x .093"	10.8
GS	24 x 24	SYMBOL	.118" x .118"	8.5
P	20 x 18	U-L-D	0.098 x 0.089	N/A
Q	28 x 24	U-L-D	0.138 x 0.118	N/A
R	35 x 31	U-L-D	0.172 x 0.153	N/A
S	40 x 35	U-L-D	0.197 x 0.172	N/A
T	48 x 42	U-L-D	0.236 x 0.207	N/A
U	59 x 53	U-L-D	0.290 x 0.261	N/A
V	80 x 71	U-L-D	0.394 x 0.349	N/A
Ø	15 x 12	U-L-D	Scalable (Smooth) Font	

\*U = upper case, L = lower case, D = descenders

- Character Fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H, (OCR-A), GS, P, Q, R, S, T, U, V & Ø Smooth font (CG Triumvirate Bold Condensed).

- Supports Unicode UTF-8, UTF-16, and several other single and multi-byte international character sets (See ZPL programming guide for more details)
- Supports user defined fonts and graphics – including custom logos
- Bitmap fonts are expandable up to 10 times, height and width independent. Fonts E and H (OCR-B and OCR-A), however, are not considered in spec when expanded.
- Smooth scalable font Ø (CG Triumvirate Bold Condensed) is expandable dot-by-dot, height and width independent.
- Unicode Swiss 721 font available

### ZPL Bar Code Symbolologies

- Bar Code Ratios: 2:1, 3:1, 5:2, 7:3
- **Linear Bar Codes:** Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Planet Code, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, and GS1 DataBar™ (RSS)
- **2-Dimensional:** PDF417, MicroPDF-417, Code 49, TLC39, Maxicode, Codablock, Data Matrix, QR code, Aztec

### ZPL Graphics

- Lines, boxes (with optional rounded corners)
- Circles, ellipses
- Images (several different formats, see ZPL manual)
- Compressed Images

### Media Specifications

**NOTE:** For optimum print quality and printer performance, use of genuine Zebra Supplies is recommended

	<i>iMZ 220</i>	<i>iMZ 320</i>
<b>Media Width</b>	2.0" (+/- 0.03"), 50.8 mm (+/- 0.76mm)	3.0" (+/-0.03"), 76.2mm (+/- 0.76mm)
<b>Max. Print Width</b>	1.9" (48.3mm)	2.9" (73.7mm)
<b>Max. Roll Length</b>	66.7' with 2.4 mil paper. 48' with 3.2 mil paper.	66.7' with 2.4 mil journal. 48' with 3.2 mil paper.
<b>Label Roll ID Core</b>	0.4"(10.2 mm.) to 0.75"(19 mm)	0.4"(10.2 mm.) to 0.75"(19 mm)
<b>Label Roll OD Max.</b>	1.88"/47.8 mm	1.88"/47.8 mm
<b>Max. Media Thickness</b>	4 mil (0.1016 mm)	4 mil (0.1016 mm)

### Internet Protocols (over 802.11a/b/g/n)

- UDP / TCP
- DHCP / BootP
- FTP / Mirror
- HTTP
- SMTP / POP3
- Telnet, LPD, SNMP

### Cabled communications Specifications

- USB 2.0 Full Speed Interface (12 Mbps)  
Mini-B connector

### Electrical Specifications

- Smart Battery:
  - ⇒ 7.4 V, 1.62 AH (nominal), rechargeable Li-ion
  - ⇒ Life: 300 Cycles (full charge and discharge) recommended, 600 cycles maximum
  - ⇒ Max charge time: 3.5 hours
- Print duty cycle: 2,TBD inches / day (TBD mm / day)
- DC charging input: 12 VDC ± 10% at 2A maximum

### Physical Specifications

	<i>iMZ 220</i>	<i>iMZ 320</i>
Height	5.34" (135.6 mm)	5.34" (135.6 mm)
Width	3.18" (80.77 mm)	4.11" (104.4 mm)
Depth	2.26" (57.4 mm)	2.26" (57.4 mm)
Weight	0.70 lbs. (0.32 kg)*	0.75 lbs. (0.34 kg)*

\* Weight with battery and no media.

### Environmental Specifications

- Operating Temperature: 14°F (-10°C) to 122°F (50°C)
- Charging Temperature: 32°F (0°C) to 104°F (40°C)
- Storage Temperature: -4°F (-20°C) to 140°F (60°C)
- Relative humidity:
  - ⇒ Operation: 10% to 90% non-condensing
  - ⇒ Storage: 10% to 90% non-condensing
- IP Rating: 42 (IP54 with protective case)

### Agency Approvals

- **Emissions:** FCC Part 15, Subpart B, EN55022 Class-B, EN60950, EN55024 and VCCI class B
- **Susceptibility:** EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, and EN61000-4-5
- **Safety:** CE, UL, TUV, CSA

**International marks:** NOM, C-Tick, VCCI, S-Mark, PSE, CCI, MII  
Bluetooth SIG registered, CCX v4 ASD and Wi-Fi certified.

### Interoperability

Tested with hand held terminals including:

- iPod Touch (5<sup>th</sup> and 4<sup>th</sup> Generation), iPhone 5, iPhone 4 and iPad 3
- Motorola: MC75A, MC40, MC55
- Honeywell: Dolphin 6000, 7800
- Android Devices: Moto ET1, Nexus 7, Galaxy III S

### Preventative Maintenance

Zebra recommends cleaning the *iMZ Series* printers on a regular basis using standard Zebra printer parts and cleaning supplies. Consult your *User's Guide* for further details.

#### • Cleaning:

The exterior is cleaned with a lint-free cloth, and if necessary, a mild detergent solution or desktop cleaner.

Interior components are cleaned with 70% isopropyl alcohol (IPA) or blown air to remove any particles.

- **Battery:**

It is recommended that the battery be fully discharged several times by cycling it to maximize performance.

**Application Flexibility**

iMZ printers are designed to support a wide variety of applications and media types. Please consult the CPCL or ZPL programming manual for configuration details. Zebra recommends always qualifying any application with thorough testing.



## Specifications



Note.- Printer specifications are subject to change without notice.

### Printing Specifications

Parameter	iMZ220	iMZ320
Print Width	Up to 1.89 in. (48,0 mm)	Up to 2.9 in. (71,2 mm)
Print Speed (max)	3" per second (76,2 mm/second)	
Print Speed (normal)	2" per second (5,0 mm/second)	
Print Head Life, calculated	1 x 10 <sup>6</sup> in. (25,4 Km) nominal	
Print Density	203 dots/inch (8 dots/mm)	
Printhead Burn Line to Tear Edge	0.2 in. (5,08 mm)	

### Memory and Communications Specifications, iMZ series

Flash Memory	128 MB
SRAM	128 MB
Standard Communications	USB 2.0 Full Speed Interface (12 Mbps)
Optional Wireless Communications	Standard Bluetooth compatible module Optional 802.11a/b/g/n SRRF module Dual radio option (802.11a/b/g/n & BT 3.0 available in Q1-2013)

### Media Specifications

Parameter	iMZ220	iMZ320
Width	2.0 ± .03 in. (50,8 ± 0,8 mm)	3.0 ± .03 in. (76,2 mm ± 0,8 mm)
Max. Width	1.9" (48,3 mm)	2.9" (73,7 mm)
Printable Area Length	Maximum length will vary with the size of loaded applications. Refer to the configuration label for actual maximum label size.	
Label Thickness	.002 in to .004 in (0,050 mm to 0,102 mm)	
Max. Media Roll dia.	1.88 in. (47,8 mm) O.D.	
Label Inner Core Diameter	0.40 to 0.75 in.. (10,2 to 19,0 mm)	
Black Mark Dimensions	The reflective media black marks should extend past the centerline of the roll on the front side of the media. Minimum mark width: 0.59 in. (15 mm) perpendicular to edge of media, centered within the width of the roll. Mark length: 0.19 - 0.24 in. (3,0-6,0 mm) parallel to edge of media. (See Fig. 7)	

Use Zebra brand direct thermal or UV resistant coated media that is outside wound. Refer to Appendix "B" for more details.

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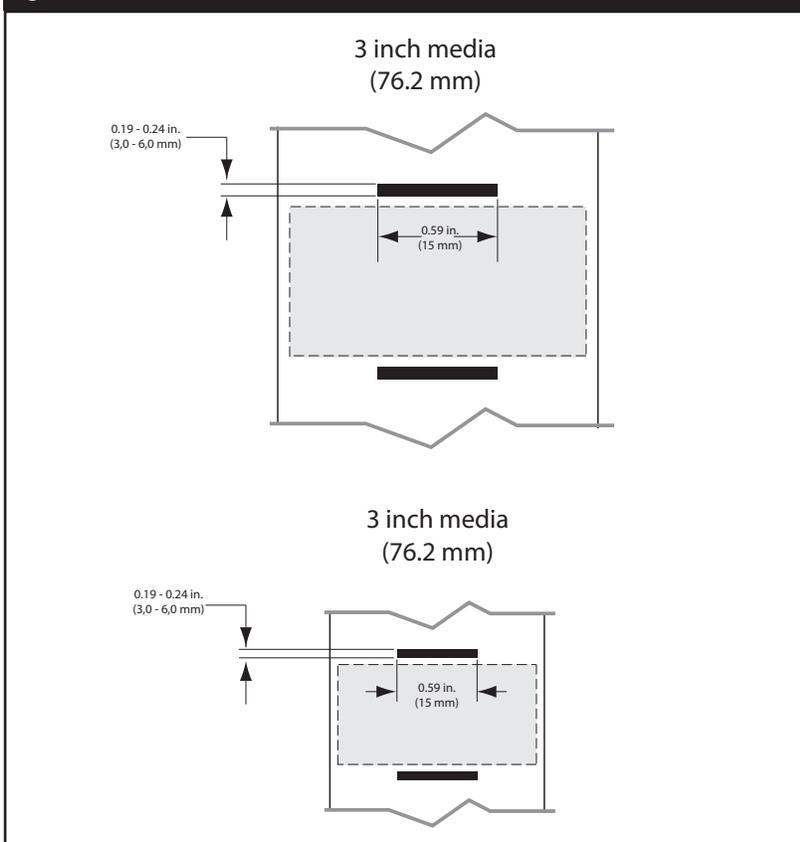
## Using Pre-Printed Receipt Media

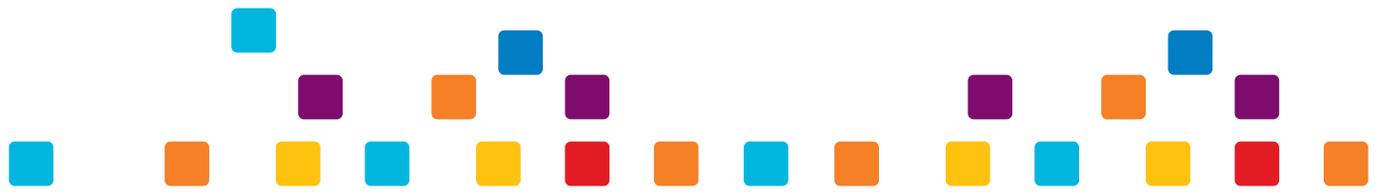
iMZ series printers support alignment of pre-printed receipts by using the out of paper sensor located near the printhead.

Please be aware of the following factors:

- 1) Note the black bar location and dimensions as detailed below and in the Specifications section of this manual.
- 2) Complete information on using pre-printed media can be found in the FORM command topic in the CPCL Programming Manual. The CPCL manual is available on the iMZ Product CD or on the Zebra Web site at <http://www.zebra.com/manuals>.

Figure 7: Media Black Bar Dimensions





# Zebra® iMZ™ Series



SEE MORE. DO MORE.



## A choice of mobile platforms to take business where it needs to go!

Get the benefits and value associated with using today's smartphone and tablet devices. The new iMZ™ printers now support Bluetooth® connectivity to Apple® iOS, as well as Android™, Windows® Mobile and BlackBerry® platforms. Print Touch™ simplifies Bluetooth pairing and launches Web-based help pages with Near Field Communication (NFC)-enabled devices to provide a trouble-free user experience. Regardless of your choice—a smartphone, tablet or handheld—Zebra's new iMZ220 and iMZ320 printers are there to support your 2-inch and 3-inch receipt-printing business needs.

In addition to supporting the most popular operating systems of today's smartphones and tablets, the new iMZ

printers' Link-OS™ software solutions rapidly configure, monitor, and integrate Zebra printers with your system. Using Profile Manager with AirWatch Connector, you can quickly connect your printer with the AirWatch device-management system via WLAN. Utilize your current infrastructure with one tool for management of your mobile devices.

Building on this experience, you can create printing applications for the Apple, Windows®, Android, WinCE, WinMobile and BlackBerry platforms with the Link-OS Software Development Kit (SDK). Backed by a full range of Zebra software, it has never been easier to produce crisp, clear receipts—whatever the setting.

## Ideal for These Applications

**Retail** / Mobile point of sale, Line-busting

**Field Service** / Field repair and installations

**Direct Store Delivery** / Proof of delivery receipts

**Hospitality** / Restaurant tableside receipts, On-board transportation ticketing



# MEET THE iMZ SERIES

Each small iMZ printer can be a smart assistant for any mobile receipt-printing application where quick, simple receipts are needed on demand. These unobtrusive printers can be worn comfortably for a full shift without interfering with the user's tasks. Easy to operate, they are a great first step for users looking to replace pen-and-paper documentation, preprinted receipts, or unreliable mobile printers. Mobile workforces all over the world can benefit from the iMZ series' compact convenience in business applications—and because it's a Zebra, there's no compromise on reliability.

## A Sidekick That Won't Weigh You Down

- At  $\frac{3}{4}$  of a pound (0.34 kg) or less, these lightweight printers can be worn a full shift without any burden or bother
- Comfortably wear the printer via belt clip or shoulder strap for unobtrusive and convenient printing

## Simple to Operate

- Single push-button media access for simple reloading
- Intuitive LEDs indicate on/off, error, and connectivity status

## Economical Alternative

- A simple, reliable and affordable printer alternative
- Each iMZ printer comes standard with USB and Bluetooth connectivity, allowing you to communicate with mobile devices running on iOS, Windows® Mobile, Android and BlackBerry operating systems

## Palm-Sized Printing Power

- High-speed processor and extensive memory for printing complex barcodes, fonts and graphics
- iMZ printers now come with an 802.11n option with dual-band support (2.4 GHz–802.11b/g/n and 5 GHz–802.11a/n) for those overcrowded wireless networks in retail environments where business operations need communication at the less-crowded 5 GHz band
- Secure Bluetooth 2.0, 802.11a/b/g/n (optional) or USB (client) connectivity, Wi-Fi® and Cisco® CCX V4 ASD-certified



### Genuine Zebra™ Supplies

Ensure high-quality, crisp images and text, and ensure that your receipt and documents remain readable and intact for their entire life, by choosing genuine Zebra supplies.

Zebra offers:

- Both in-stock and custom-made receipt paper.
- Materials that:
  - » Are tested and approved by the Zebra Supplies Research and Development Department.
  - » Meet your application's durability, image quality and archival requirements, as well as your budget.
  - » Can be custom pre-printed with your company logo, instructions, terms and conditions and other information, allowing you to maximize the functionality of your receipts and documents.

### ZebraCare™ Services

Reduce the cost of printer downtime due to lost productivity and unbudgeted repair costs by selecting a ZebraCare Depot service agreement. ZebraCare service agreements allow you to:

- Plan and budget annual service needs.
- Reduce the soft costs associated with printers that are down and need repair, and increase uptime.
- Choose the service option right for your organization.

# PRINT RECEIPTS ON DEMAND FOR A VARIETY OF APPLICATIONS

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## Retail

Reduce checkout time and lines at the register. Before customers reach the register, scan all their shopping-cart items; then use an iMZ printer to print a barcode receipt with the customer's purchase total for presentation at checkout.

## Field Service

With the iMZ printer, offer customers documentation of the quoted estimate for service, parts and warranty. When the work is finished, print a payment receipt to complete the service transaction.

## Hospitality

Reduce lines and capture more sales: Accept mobile payment for concessions in the theme park, in the arena, at the tableside, or at other hospitality venues.

## Direct Store Delivery

Use an iMZ series printer at the point of transaction to print a delivery receipt that confirms the actual quantities that transferred possession. Also print sales order confirmations for future deliveries.

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## AC Adapter

This easy-to-use power adapter comes with each iMZ series printer. Simply plug the AC adapter into the printer and charge between uses!



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## Protective Silicone Skins

These optional silicone skins add a layer of protection and improve the handling of your iMZ series printer.



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## iMZ Series 4-Bay Power Station

Ideal for users who prefer to "dock and go." At the end of your shift, simply slide the iMZ220 or iMZ320 printer into this power station to recharge it.



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## Durability-Enhancing Case

By adding an extra layer of protection with this nylon carrying case, your iMZ series printer will be well prepared for harsh conditions.



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## Vehicle Adapter

This cigarette-lighter adapter allows you to charge your iMZ series mobile printer from your vehicle.



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## Shoulder Strap

To keep hands free, an optional shoulder strap is available as an alternative to the belt clip.



# SPECIFICATIONS AT A GLANCE\*

## Printer Name

iMZ220  
iMZ320

## Standard Features

- Direct thermal printing of barcodes, text and graphics
- 203 dpi/8 dots per mm resolution
- Print speed: Up to 4"/102 mm per second
- CPCL and ZPL® programming languages
- Resident fixed and scalable fonts
- 400MHz 32-bit ARM® processor with 128 MB RAM memory
- 128 MB Flash memory supports downloadable programs, receipt formats, fonts, and graphics
- USB port
- 1.6Ahr Li-Ion battery
- Built-in battery charger
- Optical out-of-media sensing using fixed center-position sensor
- Tear bar for easy receipt dispensing
- Supports vertical and horizontal printing
- Printer can be used in any orientation
- Fixed media-roll width
- Clamshell design for easy media loading
- Printer Management: Mirror, SNMP, Web server (with customizable HTML pages), Wavelink Avalanche® [Future firmware update]
- Four LEDs as user interface indicators
- 4"/1.2 m drop to concrete (multiple times)
- Label odometer
- Bluetooth 2.1
- Security modes 1–4
- Bluetooth printing from Apple devices (iOS5, iOS6)
- IP42-rated for dust and water resistance (IP54 with durability-enhancing case)
- Print Touch via NFC—One touch to pair and print via Bluetooth

## Printer Specifications

### Resolution

203 dpi/8 dots per mm

### Memory

128 MB RAM; 128 MB Flash (standard)

### Print width

- iMZ220: 1.9"/48.3 mm
- iMZ320: 2.9"/73.7 mm

### Print length

Maximum: Continuous

### Print speed

Up to 4"/102 mm per second

## Physical Characteristics

	iMZ220	iMZ320
Width:	3.18"/80.77 mm	4.11"/104.4 mm
Height:	5.34"/135.6 mm	5.34"/135.6 mm
Depth:	2.26"/57.4 mm	2.26"/57.4 mm
Weight:	0.70 lbs/0.32 kg with battery	0.75 lbs/0.34 kg with battery

## Operating Characteristics

### Environment

- Operating temperature: 14° F/-10° C to 122° F/50° C
- Storage environment: -4° F/-20° C to 140° F/60° C
- Operating humidity: 10–90% non-condensing

### Agency approvals

FCC Part 15 and EN 55022 Class B limits; FCC, IC, and European Standards for Bluetooth and 802.11a/b/g/n; TÜV and IEC 60950 standard for Safety; NOM, C-Tick, VCCI, S-Mark, PSE, CCC, MII Bluetooth SIG-registered, CCX and Wi-Fi certified

## Communication and Interface Capabilities

- 802.11a/b/g/n wireless LAN with support for:
  - WEP, TKIP, and AES encryption (802.1x)
  - EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
  - 802.11i (WPA2), 802.11d, 802.11h
  - 802.11n (optional): Wi-Fi (802.11n)-certified, Cisco CCX v4 ASD-certified
- USB 2.0
- Bluetooth 2.1 (includes Bluetooth support for iOS devices)
- 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
- Dual radio—802.11a/b/g/n & Bluetooth 3.0 (coming soon)

## Media Characteristics

### Max. roll size

- 1.88"/47.8 mm O.D. on a 0.4"/10.2 mm to 0.75"/19 mm I.D. core

### Max. media width (iMZ220)

2.0" (± 0.03")/50.8 mm (± 0.76 mm)

### Max. media width (iMZ320)

3.0" (± 0.03")/76.2 mm (± 0.76 mm)

### Thickness

2 mil/0.0508 mm to 4 mil/0.1016 mm

### Media types

Direct thermal receipt paper, or UV-coated media. For optimum print quality and printer performance, use genuine Zebra supplies.

Made for



## Fonts/Graphics/Symbolologies

### Fonts and character sets

- Standard fonts: 25 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)
- Optional fonts: Downloadable bitmapped and scalable fonts

- International character sets/code pages supported: USA, Germany, France, Sweden, Spain, Norway, Italy, CP850, UK, (Latin 9), Chinese GB18030, BIG 5 (Traditional), Japanese and Korean supported in 16 x 16 and 24 x 24. Thai and others upon request.

## Graphics

Supports user-defined fonts and graphics—including custom logos

## Barcode symbolologies

- Barcode ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1
- Linear barcodes: 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
- Two-dimensional: Aztec Code, Data Matrix, GS1/DataBar™ (RSS) family, MaxiCode, MicroPDF417, PDF417, QR Code, TLC 39

## Options and Accessories

- Bluetooth 2.1
- 802.11a/b/g/n
- Protective silicone skin
- Durability-enhancing case (IP54 rating when using the case)
- Shoulder strap
- iMZ series 4-bay power station
- Vehicle adapter

## Optional features

- Linerless printing (with silicone platen roller only) through a Development Services Group request
- ZBI 2.x: Powerful programming language that lets printers run standalone applications, connect to peripherals, and much more

## ZebraLink™ Solutions

- Print Touch via NFC
- Profile Manager via NFC with AirWatch connector
- Link-OS Software Development Kit
- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraDesigner driver
- Zebra Setup Utility
- ZBI-Developer™

## Firmware

iMZ printers support CPCL and ZPL programming languages. The ZPL programming language ensures full compatibility with many other Zebra® printers. See Technical Specification for more details.

## Validation Testing

The iMZ series printers have been tested with industry-leading applications to verify interoperability and improve overall optimization when 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 [zebra.com/validation](http://zebra.com/validation).



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