

# 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"/ 102mm 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/ 1.2m 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

203dpi/ 8dots per mm

### Memory

128MB RAM; 128MB Flash (standard)

### Print Width

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

### Print Length

Maximum: Continuous

### Print Speed

Up to 4"/ 102mm per second

## Physical Characteristics

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

## Operating Characteristics

### Environment

- Operating temperature: 14°F/ -10°C ~ 122°F/ 50°C
- Storage environment: -4°F/ -20°C ~ 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: (CE, 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"/ 47.8mm O.D. on a 0.4"/ 10.2mm to 0.75"/ 19mm I.D. core

### Max. Media Width

- iMZ220: 2.0"(±0.03")/ 50.8mm(±0.76mm)
- iMZ320: 3.0"(±0.03")/ 76.2mm(±0.76mm)

### Thickness

2mil/ 0.0508mm to 4mil/ 0.1016mm

### Media Types

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



## 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 16x16 and 24x24. 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

## Software Solutions

- **Document Design:** Quickly design a customized print solution using your business data and Zebra's intuitive, plug-and-print design tools.
- **Device Integration:** Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems.
- **Device Management:** Manage your print operations locally and globally with Zebra's suite of device management tools.
- **Developer Tools:** Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more.

## Firmware

- ZPL II
- CPCL
- Zebra Unicode Solution
- ZBI 2.0 (optional)

## 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).



SEE MORE.  
DO MORE.

[www.zebra.com](http://www.zebra.com)

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# Zebra® iMZ220™ and iMZ320™ Printers



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.

The iMZ printers support the most popular operating systems of today's smartphones and tablets.

The printers also utilize Zebra's Link-OS™ environment: an open platform that pairs an operating system for smart Zebra devices with powerful software apps. 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

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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

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- 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

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

## Economical Alternative

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- 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

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- 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.

