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: (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"/47.8 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
iPod® iPhone® iPad®

Fonts/Graphics/Symbologies

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 symbologies

- 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.**