



ZEBRA

# EZ320™ Printer Specifications

Specifications are provided for reference and are based on printer tests using Zebra brand supplies. 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

### Physical Features

- 8 dots /mm print resolution (203 dpi)
- Direct thermal printing
- 32 bit processor
- 8 MB Flash / 16 MB SRAM memory
- 1.16 Ah Li-Ion battery
- USB 2.0 port
- Bluetooth spec v2.0
- SimSun GB18030 Fonts in 2 sizes (16X16, 24x24), Traditional Chinese (BIG 5) 24x24, Latin 1&9 resident fonts
- Tear strip for easy receipt dispensing
- Supports vertical or horizontal printing
- Open access design for easy loading
- AC power adapter included with printer
- Tolerance of multiple drops up to 1.2m (4') to concrete
- Mechanical sensor detects door open
- Optical sensor detects out of paper and black bar for receipt “top of form” sensing
- Belt strap

### OPTIONAL FEATURES

- Single Bay Battery Charger (charges battery outside the printer) \* Not Available in India or UK
- Vehicle charging cable
- Protective carrying case
- Spacers to accept 60 mm wide paper roll



## SOFTWARE

- Printer Control Language – The MZ series mobile printer comes equipped with CPCL ensuring easy integration into existing systems that run Zebra mobile printers without the need for additional software.

## PRINTING SPECIFICATIONS

- 8 dots/mm (203 dpi resolution)
- Print speed: 50 mm /sec (2 in/sec)

## MEDIA SPECIFICATIONS

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

	EZ320	with Spacers
Media Width	Fixed 80 mm (± 1 mm)	Fixed 60 mm (± 1mm)
Max. Print Width	74 mm	60 mm
Label Roll OD Core	12.7 mm	12.7 mm
Label Roll OD Max.	40 mm	40 mm
Max. Media Thickness	4 mil (0.1016 mm)	4 mil (0.1016 mm)

## PRINTER CONTROL LANGUAGE

- Communicates in printable ASCII characters
- Compatible with mainframe, mini and PC hosts
- Downloadable objects include graphics and bitmap fonts, scalable fonts, label templates and formats
- Zebra Setup Utility for printer parameter setting
- Scalable concatenation
- Automatic memory allocation for format while printing
- Automatic print head temperature compensation
- Four position field rotation (0°, 90°, 180°, 270°)
- Power management controls and adjustable sleep mode
- Programmable label odometer with on-demand terminal reporting
- Status messages to host upon request
- Monitor and report battery voltage and temperature

## BAR CODE SYMBOLOGIES & SPECIFICATIONS

- Bar Code Ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1
- Bar Code Symbolologies: Code 39, Code 93, UCC/EAN128, Code 128, Code bar (NW-7), Interleaved 2-of-5, UPC-A, UPC-E, 2 & 5 digit add-on, EAN-8, EAN-13, 2 and 5 digit add-on, EAN14
- Two-dimensional Bar Codes: PDF 417, MaxiCode, QR-Code, GS1 DataBar™ (RSS) family, Aztec

## COMMUNICATIONS SPECIFICATIONS

- Communication interface: USB 2.0 (client)
- Wireless: Bluetooth 2.0, Short Range Radio Frequency connectivity. Profiles supported: SDP, GAP, SPP

## ELECTRICAL SPECIFICATIONS

- Standard battery  
> 1.16 Ah Li-Ion battery, rechargeable Li-Ion battery
- Agency approvals  
> Emissions and Safety: FCC part 15 class A / 19.2.2 ESD Class 2 per IEC 61000-4-2  
> Country marks: China (CCC, SRRC), Taiwan (BSMI, NCC), TUV safety mark, India (WPC)

## FONT SPECIFICATIONS: 8 DOTS/MM (203 DPI)

Font	Matrix (in dots) (H × W)	Minimum Character Size (H × W) in inches (mm)	Max CPI
SimSun GB18030	16 × 16	1 × 2	12.6
SimSun GB18030	24 × 24	1.5 × 3	8.4
BIG 5	24 × 24	1.5 × 3	8.4
0 (Standard)	9 × 8	1.12 × 1	25.4
1 (min. width)	48 × 13	6 × 1.6	15.6
1 (max. width)	48 × 39	6 × 4.9	5.2
2 (OCR-A)	12 × 20	1.5 × 2.5	10.2
4 Size 0 (min. width)	47 × 11	5.8 × 1.4	18.5
4 Size 0 (max. width)	47 × 43	5.8 × 5.4	4.7
5 Size 0 (min. width)	24 × 7	3 × 0.9	29
5 Size 0 (max. width)	24 × 23	3 × 2.9	8.8
6 (MICR)	27 × 28	0.9 × 3.5	7.3
7	24 × 12	3 × 1.5	16.9

\*Character per inch

- Supports pre-scaled and scalable fonts
- Scalable text feature
- Standard resident fonts can be rotated in 90° increments
- Supports user defined fonts and graphics and logos
- Text concatenation to assign different character styles
- Allows text magnification 1-16 times the original size
- Proportional and fixed-width fonts

## ENVIRONMENTAL SPECIFICATIONS

- Operating Temp. -10° C /14 ° F to 50° C/122 ° F
- Storage Environ. -20° C/-4 ° F to 60° C /140 ° F
- Relative humidity: 10% - 90% non-condensing

## PHYSICAL SPECIFICATIONS

	EZ320
Height	48 mm (1.89")
Width	100 mm (3.94")
Depth	124 mm (4.88")
*Weight	0.29Kg (0.65 lb)

\* Weight with battery and no media.

## PREVENTATIVE MAINTENANCE

- **Cleaning:**

Zebra recommends cleaning the Mobile Line printer on a regular basis using standard Zebra printer parts and cleaning supplies. Consult your User's Guide for further details. The exterior is cleaned with a lint-free cloth, and if necessary, a mild detergent solution or desktop cleaner. Interior components are cleaned with alcohol or blown air to remove any particles.

- **Lubrication:**

All mechanical parts are self-lubricating and do not require additional lubrication.

- **Registration:**

Media registration and minimum label length are affected by media type and width, and print speed. Performance improves as these factors are optimized. Zebra recommends always qualifying any application with thorough testing

For more information, visit [www.zebra.com/ez320](http://www.zebra.com/ez320)



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