

# Zebra EM 220™



## Pocket-sized printer for mobile receipt printing

Zebra's ultra-compact EM 220 is a convenient mobile receipt printer that fits neatly into a pocket. With intuitive operation and optional Bluetooth® 2.0 wireless connectivity, the EM 220 is easy to use and ideal for customer-facing environments where space is at a premium.

The EM 220 receipt printer provides a flexible solution for an array of applications. The latest addition to the Zebra mobile printer family, the EM 220 printer gives high quality printing at a compelling price.

### Key features:

- Pocket-sized and lightweight
- Simple operation
- Single-push-button media-cover release for easy loading and unloading
- Integrated magnetic card reading (Bluetooth printers only)

### Ideal for:

- Onboard transportation ticketing
- Law enforcement – issuing fines and fixed penalties
- Retail queue busting
- Hospitality service applications

## Get most out of your Zebra put genuine Zebra supplies in!

Zebra offers a wide range of supplies for its printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printhead

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



# Specifications at a glance\*

## Standard Features

- Direct thermal printing 8 dots/mm (203 dpi) print resolution
- 2 MB Flash / 8 MB SRAM memory
- 7.4V, 1.2 Ah Li-Ion battery
- Serial/USB connection
- Tear strip for easy receipt dispensing
- Supports vertical or horizontal printing
- Open access design for easy loading
- Li-Ion charger and belt strap included with printer
- Tolerance of multiple drops up to 1.2m to concrete
- Sensors detects door, open, out of paper, pre-printed media alignment
- LEDs indicate connectivity and battery status

## Printing Specifications

### Resolution:

- 8 dots/mm (203 dpi) resolution

### Memory:

- 2 MB Flash / 8 MB SRAM memory

### Maximum print width:

- 50.8 mm (2.0")

### Print Speed:

- Print speed: up to 80 mm 3.15"/ per second

## Media Specifications

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

### Media Width:

- 2.28" (+/- 0.2") / 58.0 mm (+/-5mm)

### Maximum print width

- 2.0" / 50.8 mm

### Maximum roll length

- 40' with 3.2 mil paper

### Roll Diameter

- Core OD 18.5±0.5mm (0.728 +/-0.0196")
- Label Roll OD Max. 1.57" / 39.9 mm

### Maximum media thickness

- 4 mil / 0.1016 mm

## Operating characteristics

### Environmental

- Operating Temp. 14° F/-10° C to 122° F/50° C
- Relative humidity: 20% - 70% non-condensing

### Electrical Specifications

- Standard battery
  - 7.4 V, 1.2 Ah Li-Ion battery, rechargeable Li-Ion battery

### Agency approvals

#### EMC & Safety Standards

- Europe: CE Mark: CE 0984, DEMKO GS: EN60950-1: 2001
- North America: FCC rules part 15C
- NRTL Safety Approval IEC60950-1:2001

#### Safety Standards: CB-scheme: IEC60950-1: 2001

- CE Mark, EMC Directive 2004/108/EC, R&TTE Directive 95/5/EC, Radio Spectrum EN300328 v1.6.1
- Low Voltage Directive 2006/95/EC Safety: EN60950-1:2001
- International Marks: UL, FCC, CE, GS, CCC, SRRC, NCC, CB, GOST-R, TELEC, SIG, PSI, C-Tick, OFTA, VCCI, IC, SIRIM, NOM, COFETEL, S-MARK, CNC, ANATEL, WPC, IDA, NTC license

## Physical characteristics

### Width

- 79.5mm (3.1")

### Height

- 126.7mm (5.0")

### Depth

- 43.6mm (1.7")

### Weight

- 0.24kg (0.52lbs)

\*Weight with battery and no media is provided.

## Options and accessories

- Optional Bluetooth® v. 2.0 short range connectivity and card reader
- Single battery cradle to be used with charger
- Quad battery charger
- Replacement charger
- Leather case
- Spare battery

### Software

- Drivers
  - Win95/98/ME/2000/NT/XP/2003/Vista
  - OPOS drivers
  - SDK/WinCE 4.2, WinCE 5.0 WinCE 6.0

### Printer Control Language

- Communicates in printable ASCII characters
- Compatible with mainframe, mini and PC hosts
- Downloadable objects include graphics

## Bar Code Symbolologies

- Bar Code Symbolologies: Codabar, ITF, UPC-A, UPC-E, Code 39, Code 93, Code 128, EAN 8, EAN 13, EAN 18
- Two-dimensional Bar Codes: PDF 417, MaxiCode, QR Code, Data Matrix

## Fonts and graphics

- Character size: Font A: 12 x 24, Font B 9 x 24
- Characters per line: Font A: 32, Font B: 42,
- Character sets: Alphanumeric character: 95
- Extended character: 128 x 30 pages
- International character set support
  - (KOR, CHN, JPN) - 128 x 20 pages, International: 32.

## Communication and interface capabilities

- Communication interface: Serial/USB
- Wireless: Bluetooth v. 2.0.

\*Specifications subject to change without notice.

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## The Zebra mobile printer family

The EM 220 is just a small part of Zebra's mobile printing portfolio. If you need more features such as water-resistance, advanced connectivity or even RFID mobile solutions visit [www.zebra.com](http://www.zebra.com)

▶ For more information, visit [www.zebra.com](http://www.zebra.com) or e-mail [mseurope@zebra.com](mailto:mseurope@zebra.com)



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