

# Zebra® EM220II™



SEE MORE. DO MORE.



## Compact and affordable mobile receipt printing for use with your smartphone or tablet device.

Accept payment and print receipts on the go from Zebra's EM220II mobile printer using the latest smartphone and tablet devices. The EM220II offers 802.11b/g wireless LAN capability for secure connections to existing networks and supports Bluetooth® 3.0 connectivity to all mobile device platforms including Apple® iOS, Android™, Windows® Mobile and BlackBerry®. Quickly and easily swipe credit cards, print 2-inch-wide receipts, and keep your customers happy with this lightweight, simple to operate mobile printer.

Designed for simplified integration into your existing point-of-sale (POS) system, the affordable

EM220II is ideal for mobile POS operations using the common ESC/POS language. With a battery capable of lasting an entire shift, the EM220II ensures greater uptime and fewer printing interruptions to the fast check-out and great service your customers demand. Payment is accepted securely, with the card never leaving your customer's sight. The printer is also compatible with sleds for barcode scanning from your iPod®, iPhone® or iPad®.

With a variety of accessories and options, including a magnetic card reader, the EM220II mobile printer is the dependable choice for high-quality printing at an economical price.

## Ideal for These Applications

**Retail & Hospitality** / Mobile point of sale; simple receipt printing for events, amusement parks, concessions, restaurants

**Transportation** / On-board transportation ticketing

**Field Service** / Printing of documents, such as receipts for repairs or installations

Made for



# LIGHTWEIGHT AND AFFORDABLE, YET FEATURE-RICH

The EM220II mobile printer lets you print receipts wherever your customers are via your smartphone or tablet device. Lightweight and unobtrusive, the EM220II lets users focus on their customers with simple operation and Zebra's well-known printer reliability.

## Connectivity options for today's smart devices

- Compatible with the latest smartphone and tablet devices including the Apple iPod, iPhone and iPad, as well as Android and Windows Mobile platforms, via Bluetooth 3.0.
- Supports 802.11b/g, the most widely used and accepted standards at 2.4 GHz.
- Validated with industry-leading applications to verify interoperability and improved overall optimization when used with validated terminals.

## Works as long as you do!

- Long-life Lithium-ion battery ensures eight hours of continuous operation.
- Four-step battery indicator lets you know well in advance of the need for a recharge.
- IP54 rating for water- and dust-resistance when using the protective case.

## Genuine Zebra™ Supplies

Chose genuine supplies for high-quality, crisp printing and the peace of mind that your receipt and documents remain readable and intact for their entire life.

- Both in-stock and custom-made receipt paper.
- Materials that:
  - » Are tested and approved by Zebra Supplies Research and Development.
  - » 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.

## Easy to wear...

- Zebra's lightest mobile printer weighing in at just 0.53 lbs (0.23 kg).
- Wear comfortably with a belt clip or shoulder strap for convenient and unobtrusive printing.
- Securely mount the EM220II with the new vehicle cradle accessory.

## ...and easy to use!

- Accept credit card payment with an optional magnetic card reader.
- Single push-button media access and intuitive paper reloading ensure quick media changes.



## 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.

**ZebraCare** Depot™

# PRINT RECEIPTS ON DEMAND WITH YOUR SMARTPHONE OR TABLET DEVICE

## Retail

The EM220II is an economical and ideal choice for mobile POS applications. Complete a checkout transaction anywhere in the store by scanning items with a smartphone or tablet device, accepting credit card payment and printing a receipt with the EM220II. You'll provide memorable customer service—and offer your customers peace of mind since the card never leaves their sight.

## Hospitality

Offer the convenience and security of table-side payment in your restaurant. Sporting events, concert venues and theme parks see shorter lines and increased customer satisfaction with mobile payment and receipt printing.

## Transportation

Use the EM220II to accept credit cards for fast on-board ticketing on bus, rail or ferry lines.

## Field Service

Print a receipt or offer your customers documentation of services rendered, estimates, parts and warranty information, and service reminders.

## Battery Charging Options

The EM220II offers a variety of charging options to meet your specific needs. Charge in-house with a battery charger or single or 4-bay docking cradle. For on-the-go charging, use the vehicle charging cable with cigarette lighter adapter. Spare batteries are also available.



## Hands-Free Accessories

Keep your hands free with optional shoulder straps, belt clips, belt straps and an IP54-rated durability-enhancing case. Taking the EM220II with you on the road? Consider the vehicle cradle for convenient storage and charging of the printer while in a vehicle.



# SPECIFICATIONS AT A GLANCE\*

## Printer Name

EM220II

## Standard Features

- Direct thermal printing of barcodes, text and graphics
- ESC/POS programming language
- Resident fonts
- 200 MHz 32-bit ARM processor
- USB and Serial ports
- 1.2 AH Li-Ion battery
- 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
- Multiple LEDs: battery status, connectivity
- 4"/1.2 m drop to concrete
- Bluetooth 3.0 + EDR
- Bluetooth printing from Apple (iOS 6, iOS 5), Android and Windows devices

## Printer Specifications

### Resolution

203 dpi/8 dots per mm

### Memory

256 KB Flash memory supports downloadable programs, receipt formats, fonts and graphics (128 KB Receive Buffer)

### Maximum Print Width

1.89"/48 mm

### Maximum Print Length

Continuous

### Print Speed

3.5"/90 mm per second

### Physical Characteristics

- Width: 3.13"/79.5 mm
- Height: 1.72"/43.6 mm
- Length: 4.99"/126.7 mm
- Weight: 0.51 lb/0.23 kg with battery

## Operating Characteristics

### Environment

- Operating temperature: 5° F/-15° C to 122° F/50° C
- Storage environment: -22° F/-30° C to 158° F/70° C
- Operating humidity: 10% to 80% non-condensing
- Storage humidity: 10% to 90% non-condensing

### 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, CB, CS
- International marks: NOM, C-Tick, iDA, Anatel, NTC

### Communication and Interface Capabilities

- Bluetooth 3.0 + EDR
  - Security modes 1-4
  - Bluetooth printing from Apple (iOS 6, iOS 5), Android and Windows devices
- USB 1.1 Full Speed Interface (12 Mbps)
- Windows and WinCE SDK and Win PDA Utility (Win XP 32bit/64bit)/WEPOS 2003 and 2008 Server, Win7 Win 8, Vista
- Windows Driver: XP, WEPOS /2003and 2008 Server, Win 7, Win 8, Vista
- OPOS Driver: XP, WEPOS 2003 and 2008 Server, Win7 Win 8, Vista
- Android SDK and Utility (Android 2.2 and later)
- iOS SDK and Utility: iOS 3.13/ iPod Touch 2G and later
- Unified Mobile Utility: WinXP, WEPOS 2003 and 2008 Server, Vista, Win7, Win 8
- Net Configuration Tool
- Optional 802.11b/g wireless LAN with support for:
  - WEP, WPA-PSK, EAP
  - (802.1X )

### Media Characteristics

#### Maximum Roll Size

1.57"/40 mm O.D.

#### Maximum Media Width

2.28" (+/- 0.2")/58.0 mm (+/- 0.5 mm)

#### Media Thickness

0.0024"/0.06 mm to 0.0039"/0.10 mm

#### Media Types

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

## Fonts/Graphics/Symbologies

### Fonts and Character Sets

- Character size: Font A: 12×24; Font B: 9×17; Font C: 9×24; KOR, CHN: 24×24
- Characters per line: Font A: 32; Font B, C: 42; KOR, CHN: 16
- Character sets: Alphanumeric: 95; Expanded Graphics: 128×33 page; International: 32

### Graphics

Supports user-defined fonts and graphics—including custom logos

### Barcode Symbologies

- Linear barcodes: EAN-8, EAN-13, Code 39, Code 93, Code 128, ITF, Codabar, UPC-A, UPC-E
- Two-dimensional: PDF417, Data Matrix, MaxiCode, QR Code

### Options and Accessories

- 802.11b/g with support for:
  - WEP, WPA-PSK, EAP
  - 802.1X
- Linerless printing (with silicone platen roller only) through CAG (Custom Application Group) request
- 3-track Magnetic Card Reader for convenient transaction processing
- Spare Batteries (standard and with external contacts to be used with 4-Bay Docking Cradle)
- AC Adapter (included)
- 4-Bay Docking Cradle
- Single Bay Docking Cradle
- Single Battery Cradle
- Vehicle Charging Cable (with cigarette lighter adapter)
- Quad Battery Charger
- Belt Strap (included)
- Belt Clip (optional)
- Shoulder Strap
- Durability Enhancing Case (IP54)
- Vehicle Cradle
- USB Cable, Serial Cable

### Validation Testing

The EM220II has been tested with industry-leading applications to verify interoperability and improve overall optimization when used 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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