

# Zebra® RW™ Series

Mobile Printing for Businesses on the Go



## Wireless Printers Add Versatility to Printing Tasks on the Open Road

Designed for the Road Warrior, the Zebra RW series of mobile printers are ideal for printing delivery receipts and invoices on the go. The modular design allows users to choose among wireless options, card readers, and integral accessories such as vehicle mounts for simplified route printing. Easy-access vehicle mounting cradles and charging options as well as user-intuitive interfaces and angled displays enhance the convenience and simplicity of mobile printing.

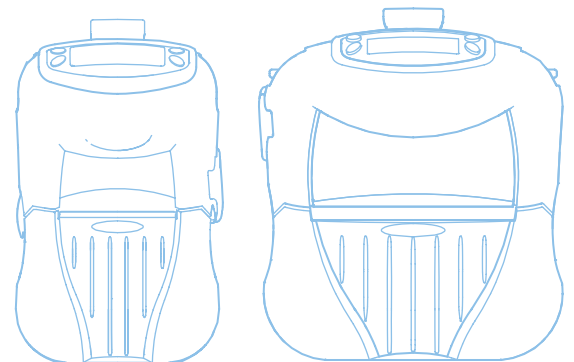
## Rough and Ready Durability for Reliable Printing

Uniquely designed for harsh outdoor environments, RW series mobile printers endure extreme temperatures and weather conditions. Bounce it in the truck, carry it in the rain, drop it to the pavement, and expect the same performance day in and day out.

Resilient and lightweight, these IP54-certified printers can withstand the harsh demands of a number of route accounting and field service printing applications, including:

- Invoices
- Delivery receipts
- Service estimates
- Sales orders
- Inventory management
- Mobile point-of-sale
- DEX\*

\* DEX communication for Direct Store Delivery (U.S. only)



# Zebra RW series printers

## Meet the RW Series!

The RW series: rugged enough for the Road Warrior.

With the most feature-rich offering of any mobile printer in the market:

### Rugged and Easy to Use Printer

- IP54 certified for resistance to windblown water and dust
- Damage-resistant to multiple drops of up to 6 feet to concrete
- Weight of 1 1/2 to 2 pounds for effortless mobility
- Resistant to extreme hot and cold temperatures

### Ergonomically Designed to Fit Comfortably on the Hip

- Single push-button media access for simple re-loading
- Angled LCD for easy viewing of printer status comes standard

### Smart and Sophisticated Operation

- Print using the same commands as your Zebra tabletop or desktop printers with common language support.
- Choose the wireless connectivity module that suits your needs: 802.11b/g, Bluetooth, Dual radio support—for using Bluetooth and WLAN in the same printer (RW420 only)
- Quickly and easily print complex labels, symbologies and graphics thanks to the RW series' fast processor and large memory.



➔ **RW 220™**

The user-friendly 2-inch RW 220 simplifies printing tasks for the mobile workforce with intuitive interfaces, rugged construction, and reliable printing.

#### PRINT CHARACTERISTICS

Width: 2.20"/56 mm  
Length: Continuous

#### PRINT AREA

203 dpi/8 dots per mm

#### MEMORY

3"/76.2 mm per second maximum

#### PHYSICAL CHARACTERISTICS

##### (Base Version)

Width: 4.4"/112 mm  
Depth: 2.9"/74 mm  
Height: 6.8"/173 mm  
Weight: 1.45 lbs./658 g

##### (Card Reader Version)

Width: 4.4"/112 mm  
Depth: 3.2"/81.2 mm  
Height: 6.8"/173 mm  
Weight: 1.55 lbs./703 g

#### MEDIA SPECIFICATIONS

Media width: 1"/25 mm to 2.37"/60 mm



➔ **RW 420™**

Neither wind, nor rain, nor harsh temperatures can keep the RW 420 from delivering high-quality 4-inch receipts and tickets.

#### MAXIMUM PRINT AREA

Width: 4.09"/104 mm  
Length: Continuous

#### RESOLUTION

203 dpi/8 dots per mm

#### MAXIMUM PRINT SPEED

3"/76.2 mm per second maximum

#### PHYSICAL CHARACTERISTICS

##### (Base Version)

Width: 6.3"/160 mm  
Depth: 3.0"/76 mm  
Height: 6.9"/175 mm  
Weight: 2.00 lbs./907 g

##### (Card Reader Version)

Width: 6.3"/160 mm  
Depth: 3.1"/79 mm  
Height: 6.9"/175 mm  
Weight: 2.15 lbs./975 g

#### MEDIA SPECIFICATIONS

Media width: 2"/51 mm to 4.12"/105 mm

#### For More Information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software, and accessories, ask your reseller, call +1 800 423 0442, or visit our Web site [www.zebra.com](http://www.zebra.com).

# Mobile A to Z (from Accessories, to Supplies, to ZebraCare™)

## Vehicle Cradles



**RW 420 cradle:** Intuitive, push-button release cradle for convenient storage and charging of the printer while in a vehicle. Fanfold media can be fed through the base of the cradle to extend the media capacity of the printer.



**RW 220 cradle:** Grab your printer and go! Store your compact printer conveniently in the vehicle and release it instantly to take to the customer with a push of a lever.

Flexible Ram Mounting kits are also available for mounting the cradles in convenient orientations.

## Cases

Add dust and rain protection to your RW



series mobile printer with an environmental case. By adding an extra layer of protection, your printer will be well prepared for the harshest conditions.

## RJ-45 Cable

For wired communications, Zebra recommends using a serial RJ-45 cable for connection with your RW printer's RS-232C serial port. A USB to RJ-45 cable is also available for USB cabled file transfers. The RW series USB port is intended for setup and maintenance of the printer only.

## RW420 4-Bay Power Station

Ideal for users who prefer to "dock and go." At the end of your shift, simply slide up to four RW 420 printers into this power station for simultaneous charging.

## ZebraCare™ Depot Service Agreements



A ZebraCare Depot service agreement is a cost-effective means of planning and budgeting your annual maintenance expenditures. This back-to-factory service ensures that trained and certified Zebra technicians will bring your printer back to factory specifications every time. Zebra offers four plans to meet your specific needs.

## Lithium-Ion Chargers

**Fast Charger:** Charges a single Zebra Li-Ion battery at a time in approximately 2–5 hours.

**Quad Charger:** Charges up to 4 Zebra Li-Ion batteries at a time in approximately 2–5 hours.

**DC/DC vehicle charger with cigarette lighter adapter:** Plug the printer into your vehicle's cigarette lighter adapter for convenient charging on the go.

## Lithium-Ion Batteries

Lithium-ion (Li-Ion) cells represent the latest in mobile battery technology. They offer higher power-to-volume and power-to-weight than their nickel metal hydride and nickel cadmium counterparts. Order spare Li-Ion batteries for your RW series printer to guarantee you'll always be charged up and ready to go!

## Mobile Media

Zebra provides both in-stock and custom-made receipt paper, labels, and tags specifically engineered to ensure maximum performance in Zebra printers. Custom options include watermarks, preprinted logos or terms and conditions.

## Applications

### ROUTE ACCOUNTING/FIELD SERVICE

#### Delivery Verification Slips

Use an RW series printer at the point of transaction to print a delivery receipt that confirms the actual quantities that transferred possession.



#### Invoices

Take days off your billing cycle! Using mobile computers and printers to issue invoices at the time of delivery accelerates the payment process, eliminating the need for manual data entry and billing in the office.

#### Service Estimates

Offer customers documented information regarding the estimate that was quoted. This estimate is entered into the system in real time and can be easily accessed when the customer calls in using the contact information and estimate number that is indicated on the printout.



### RETAIL

#### Mobile Point of Sale/Queue Busting

Watch sales and satisfaction improve when you offer mobile point-of-sale service for line- or queue-busting, featuring Zebra printers with integrated card readers and wireless network connectivity.

### TRANSPORTATION

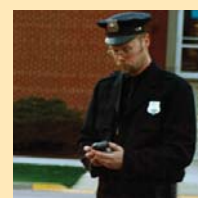
#### Ticketing/Passenger Information

Print tickets or passenger information aboard buses, trains, or boats for an efficient way of reducing lines and increasing customer satisfaction.

### PUBLIC SAFETY/ LAW ENFORCEMENT

#### Citations

Improve safety, enforceability, and efficiency with electronic citation systems that are easy to use and tough to beat.





## Zebra RW™ Series

With optional magnetic stripe and EMV™-certified smart card readers, the RW 220 or RW 420 can simplify transaction processing in real time.

### Specifications at a Glance\*

#### PRINT CHARACTERISTICS

Print method: Direct thermal  
Resolution: 203 dpi/8 dots per mm  
Maximum print speed: 3"/76.2 mm per second

#### MEMORY

4 MB Flash, 8 MB DRAM

#### PHYSICAL CHARACTERISTICS

Construction: Impact-modified polycarbonate, abrasion-resistant rubber overmold  
Drop specification: 6-foot multiple drops to concrete  
LCD: Ergonomic, angled display for better viewing  
Strain relief RS 232 serial interface  
Fanfold slot for accepting external media (RW 420 only)  
Self-centering media holders  
IP54-certified

#### STANDARD FEATURES

Rugged design  
4-button angled LCD (standard)  
Standard serial and USB interfaces  
Advanced 32-bit architecture for high-speed processing  
Enhanced battery management

#### OPERATING CHARACTERISTICS

##### Environment

Meets IP54 certification  
Operating Temp. -4° F/-20° C to 131° F/55° C  
Storage/Environ. -22° F/-30° C to 149° F/65° C  
Operating Humidity 10-90% non-condensing  
Storage Humidity 10-90% non-condensing

##### Electrical

Standard 4.0 Ah, 7.4V battery (RW 420)  
Standard 2.0 Ah, 7.4V battery (RW 220)  
External charging options (vehicle and AC)  
Shock-mounted internal components  
Selectable baud rate: 9600 to 115.2 Kbps  
Xon/Xoff or hardware flow control (RTS/CTS)  
USB 2.0 full speed support, 12 Mb/second (for setup and configuration)  
RS-232C serial port (RJ-45 connector) for cabled use

##### Regulatory

FCC Part 15 Class B, VCCI Class B, NOM/NYCE  
CE compliance (Class B), C-Tick, CSA

#### ZEBRALINK™ SOLUTIONS

##### Software

ZebraDesigner™ Pro  
ZebraNet™ Bridge Enterprise  
Zebra Universal Driver  
Label Vista  
Auto-detect firmware load  
Smart battery management (monitors battery for longer life and performance)  
Wavelink Avalanche® support  
Motorola® MSP support

##### Networking and Connectivity

Bluetooth® v. 1.2  
802.11b  
Motorola's Symbol® Compact Flash  
802.11b/g Zebra Value Radio  
Native wireless security support: VPN, WPA/WPA2, WEP, Kerberos, WPA-PSK, EAP-TLS, EAP-TTLS, EAP-FAST, LEAP, PEAP, 802.11i  
RW 420 can be configured with dual radios (Bluetooth and WLAN)

##### Firmware

Native CPCL with ZPL®, EPL™, and XML support (standard)

#### MEDIA CHARACTERISTICS

Max. Roll Size (O.D.): 2.25"/57 mm  
Max. Media Width (RW 420): 4.12"/105 mm  
Max. Media Width (RW 220): 2.37"/60 mm  
I.D. core: .75"/19 mm or 1.38"/34.9 mm  
Thickness: .002"/.05 mm to .0063"/.16 mm  
Media Types: direct thermal tags or receipt paper, synthetic media, UV coated media, limited label support  
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 (optional): Chinese 16 x 16 (trad), 16 x 16 (simplified), 24 x 24 (simplified); Japanese 16 x 16, 24 x 24, Hebrew/Arabic

##### Graphic Features

Supports user-defined fonts and graphics—including custom logos

##### Bar Code Symbolologies

Linear Bar Codes: Code 39, Code 93, UCC/EAN-

128, EAN-14, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC and EAN 2-of-5 digital extensions, Plessey, FIM Postnet, Interleaved 2-of-5, MSI, Codabar

2-Dimensional: Aztec, Data Matrix, GS1 DataBar™ (RSS) family (12 bar codes), MaxiCode, PDF417, QR Code

\*Contains UFST from Monotype Imaging, Inc.

#### OPTIONS AND ACCESSORIES

Magnetic stripe reader and EMV-certified smart card reader  
Lithium Ion Fast AC Charger  
Lithium Ion Quad Charger  
Cigarette lighter charger (for in-vehicle charging)  
Vehicle cradle for docking and charging  
4-Bay Power Station  
Ram Mount Kit  
Shoulder Strap/Hand Strap  
Environmental Soft Case  
Fanfold media support (RW 420 only)  
XML Support Applications and Documentation utility CD



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