Zebra® RW™ Series

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 2.0, dual radio support—for using Bluetooth® and WLAN in the same printer (RW 420 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.

Maximum Print Area

Width
2.20"/56 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: 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 standard

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

8 MB Flash, 16 MB RAM

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 Mbits/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
- Zebra Mobile SDK
- ZebraNet™ Bridge Enterprise
- Zebra Universal Driver
- Label Vista
- Auto-detect firmware load
- Battery management (monitors battery for longer life and performance)

Networking and Connectivity

- Bluetooth® v. 2.0
- 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

- Wavelink Avalanche®
- Motorola® MSP
- 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/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 (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 Symbologies

- 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
- RW 420 4-Bay Power Station
- Ram Mount Kit
- Route Palette (RW 420 only)
- Shoulder Strap/Hand Strap
- Environmental Soft Case
- Fanfold media support (RW 420 only)
- XML Support Applications and Documentation utility CD

Applications

Route Accounting

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.

Field Service

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.

Mobile A to Z

From Accessories, to Supplies, to ZebraCare™ Plans

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. Designed to meet the SAE J1113-11 International Automotive Standards.

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.

RW 420 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.

Carriers

RW 420 Route Palette

RW 420 Route Palette provides a single, convenient carrier for Zebra's rugged RW 420 mobile pinter and your choice of Motorola's MC70, MC75 or MC909X-S handheld computer. Designed to meet the SAE J1113-11 International Automotive Standards.

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!

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.

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. Zebra also offers quality heat, water, and UV-resistant coatings for attractive, reliable printouts. For details, contact your authorized reseller, or call Zebra at +1 877 275 9327.

Specifications subject to change without notice.

©2009 ZIH Corp. ZebraCare, and all product names and numbers are Zebra trademarks, and Zebra and the Zebra head graphic are registered trademarks of ZIH Corp. All rights reserved. Bluetooth is a registered trademark of Bluetooth SIG, Inc. Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. CG Triumvirate and UFST are trademarks of Monotype Imaging, Inc. and may be registered in certain jurisdictions. GS1 DataBar is a trademark of GS1 US, Inc. Wavelink Avalanche is a registered trademark of Wavelink Corporation. Motorola is a trademark of Motorola, Inc., registered in the U.S. Patent & Trademark Office. All other trademarks are the property of their respective owners.

Corporate Headquarters
+1 800 423 0442
E-mail: inquiry4@zebra.com

Asia-Pacific Headquarters
+65 6858 0722
E-mail: apacchannelmarketing@zebra.com

EMEA Headquarters
+44 (0)1628 556000
E-mail: mseurope@zebra.com

Latin America Headquarters
+1 847 955 2283
E-mail: inquiry4@zebra.com

www.zebra.com

Locations
USA: California, Illinois, Georgia, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, Netherlands, Poland, Spain, Sweden, United Kingdom **Asia Pacific:** Australia, China, Japan, Singapore, South Korea **Latin America:** Argentina, Brazil, Florida (USA), Mexico **Africa/Middle East:** India, Russia, South Africa, United Arab Emirates

13673L Rev.10 (3/09)

L-TRONDIRECT

Your Success is Our Passion!

35 YEARS

www.L-TronDirect.com

800-830-9523

info@L-Tron.com

Get in touch with us on social media!

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

www.L-Tron.com