



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.

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)

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.



RW Series



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.
- Secure customer and proprietary data being sent to the printer with native security support for protocols such as WPA/WPA2, VPN, and Kerberos.
- 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

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.

RW Series



Accessories

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.

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 solutions for all applications, including more than 1,000 combinations of high-quality and reliable labels, tags, and receipts. All products are designed and tested on Zebra products to ensure optimum print quality. Paper with watermarks, custom logos, and UV-resistant coatings are all available for customized and attractive printouts.

Applications

ROUTE ACCOUNTING/FIELD SERVICE

Delivery Verification Slips

Use a 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.



RW Series



Specifications at a Glance*



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

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
Fold-out 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
Smart battery management

*Specifications subject to change without notice.
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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

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
Zebra Value Radio
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: PDF417, Data Matrix, MaxiCode, RSS, Composite Symbology, QR

*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
Ram Mount Kit
Shoulder Strap/Hand Strap
Environmental Soft Case
Fold-out media support (RW 420 only)
XML Support Applications and Documentation utility CD



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