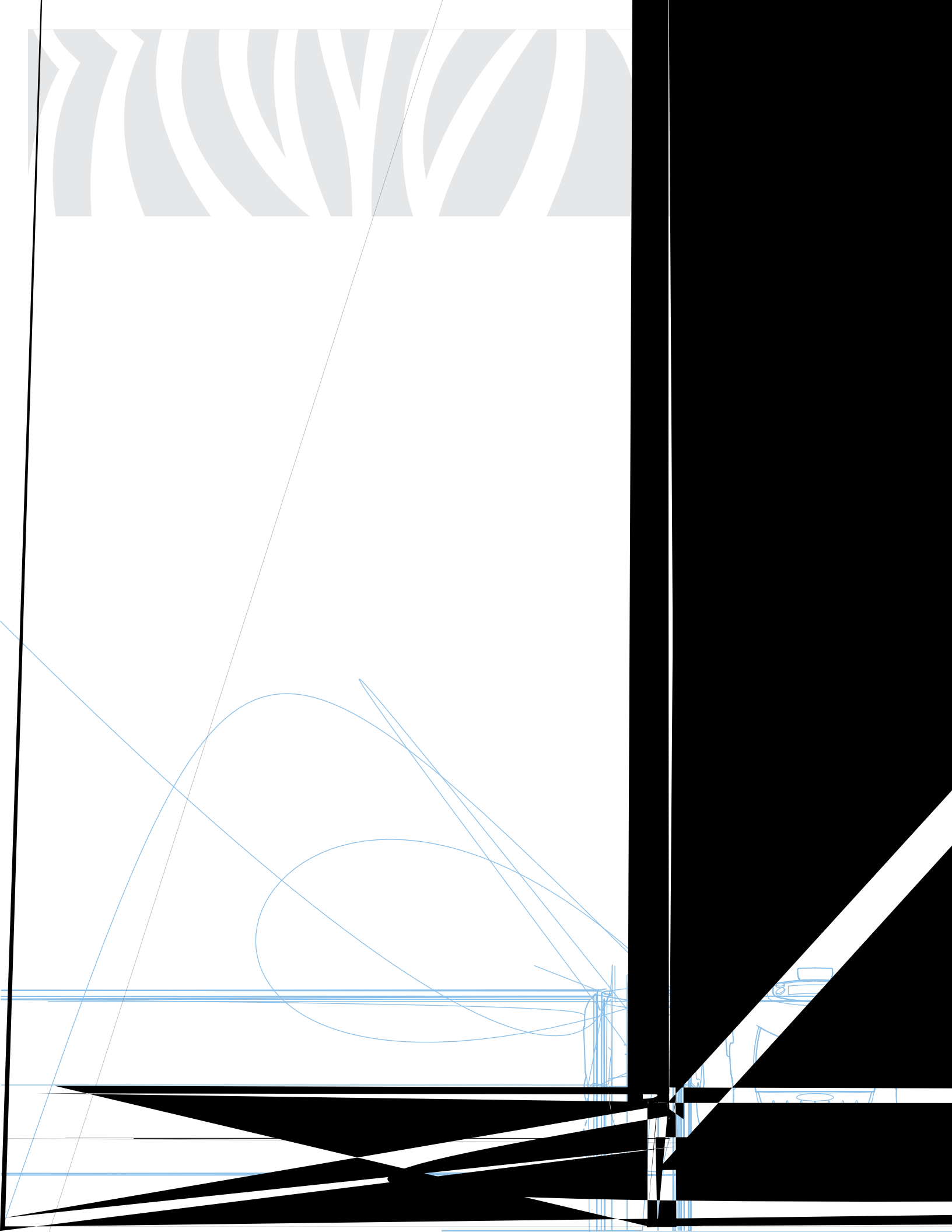

Zebra RW series printers

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**.

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

ZebraCare Depot™

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 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

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/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

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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