

RW™ series



Mobile printing for businesses on the go

Printers that travel with you

The RW series of printers are designed specifically for the mobile workforce. User-friendly features and design allow the mobile user to print invoices and receipts quickly and efficiently – minimising downtime and maximising return on investment.

Versatile and rugged

With a compact ergonomic design, the RW series printers can be easily carried on the shoulder or belt. For vehicle-based applications, Zebra's intelligent in-vehicle charging options provide further flexibility for the mobile worker. Uniquely designed to endure extreme temperatures and weather conditions (IP54-rated), the RW series printers are also damage-resistant to multiple drops whilst ensuring reliable performance.

Key features

- Bluetooth® or 802.11b/g wireless options
- IP 54-rated for dust and water resistance
- Drop specification: multiple 1.8-metre drops to concrete
- Optional magnetic stripe and EMV-certified smart-card readers
- Optional vehicle cradle for docking and charging

Get the most out of your Zebra, put genuine Zebra supplies in!

Zebra offers a wide range of supplies for QL Plus printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads

► For more information, visit www.zebra.com



RW series and accessories

RW 420™ Route Palette



RW 220 and RW 420 applications include:

- Field sales: invoices, proof of delivery
- Field service: inspection reports
- Direct store delivery: goods receipt, proof of delivery, order acknowledgement
- Government & public safety: parking & law enforcement ticketing/fines, transportation ticketing



The Route Palette is a convenient carrying and charging accessory, allowing your mobile workforce to carry two of today's most popular mobile devices in a lightweight yet ruggedised housing and to charge both concurrently, from a single power supply.

Ideal for direct store delivery, field service and field sales operations, Zebra's RW 420 Route Palette provides a single and convenient carrier for Zebra's rugged RW 420 mobile printer and your choice of Motorola's MC70, MC75 or MC9090-S ("short") handheld computer.

This integrated solution makes mobile workers' jobs easier and more productive. They can use the Route Palette shoulder strap or carry it by its solid handle to customer visits - then cradle it on their arm like a painter's palette as they enter data and print receipts, invoices or inventory pick tickets.

With an optional mounting bracket, the Route Palette can be conveniently installed into a vehicle.

RW 420 Route Palette 4-bay power station



The RW 420 Route Palette 4-bay station houses four RW 420 Route Palettes for easy dock-and-go charging. Mounts on the wall and requires just one electrical outlet, so it's perfect for settlement rooms and field service dispatch centres.

RW 420™ 4-bay power station



The RW 420 4-bay power station charges up to four RW 420 printers via a single power outlet, reducing the number of cables and power supply requirements in your settlement or dispatch room.

Use the power station to simply dock-and-go. At the end of a shift field service personnel can simply slip the printer into a slot to recharge until next required, then pop it back out before leaving on their next route.

RW series charger options (in vehicle)



Using the DC/DC Lithium Ion Vehicle charger, plug your RW series into your vehicle's cigarette lighter adapter for convenient charging on the go.

Alternatively the DC/DC Lithium Ion Vehicle charger with terminated crimps enables you to hard wire your RW series into your vehicle's power supply. Three voltage ranges are available: 12 VDC, 9-30 VDC, and 30-60 VDC.

Chargers available for:

- Printers
- Route Palette
- Vehicle Cradles

RW series USB to RJ-45

The USB port on the RW series of mobile printers is intended for setup and maintenance of the printer. For wired communications, Zebra recommends using a serial RJ-45 cable for connection with your RW printer's RS-232C serial port.

This USB to RJ-45 cable allows a twist-lock strain relief mechanism to protect your cable and the port on your printer. It uses USB protocol to send the data to your printer from a USB host device via the RJ-45 serial port.

If your printer was manufactured prior to September of 2007 the USB to RJ-45 cable may not be supported, and we recommend you choose the Right Angle USB cable for USB communication to the printer.

RW 220 vehicle cradle



Store your compact printer conveniently in the vehicle and release it instantly to take to the customer with a push of a lever. Provide charge to the printer while on the move using one of Zebra's in vehicle charge cables.

RW series soft cases and handstraps



Add additional protection to your RW mobile printers with an environmental soft case,

Shoulder straps and hand straps can be used to enhance the flexibility of use of the RW series printers.

RW 420 vehicle cradle



To further enhance the charging options at your disposal, use the RW 420 Vehicle Cradle to provide charge to your printing device while on the move.

An intuitive, push-button release makes the operation of this cradle simple and efficient, providing convenient storage and integrated 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 while the cradle can also be mounted to a RAM arm for flexible access and orientation once installed.

RW 420 battery eliminator

If using an RW 420 permanently inside a vehicle, the RW 420 battery eliminator allows you to power the printer directly from the vehicle power source, without the need for a battery and the associated charging and replacement requirements.



Specifications at a glance*

Standard features

- Print method: Direct thermal
- Four-button angled LCD
- Serial and USB interfaces
- Advanced 32-bit architecture for high-speed processing
- Smart battery management (monitors battery for longer life and performance)
- Construction: Impact-modified polycarbonate, abrasion-resistant rubber overmould
- Drop specification: six-foot multiple drops to concrete
- RS-232 serial interface with cable-locking mechanism
- Fanfold Slot for accepting external media (RW 420)
- Self-centring media holders
- Auto-detect firmware load

Programme languages

- Programming Language: Native CPCL with ZPL® and ELP™ emulations (standard)

Printer specifications

Maximum print area

Width: 56mm (2.20") - RW 220
Width: 104mm (4.09") - RW 420
Length: continuous

Resolution

8 dots per mm (203dpi)

Maximum print speed

76.2mm (3") per second

Memory: 8MB flash, 16MB DRAM

Media characteristics

Max. roll size (O.D.)

- 57mm/2.25"

Max. media width

- 25mm/1" to 60mm/2.37" (RW 220)
- 51mm/2" to 105mm/4.12" (RW 420)

I.D. core

- 19mm/0.75" or 34.9mm/1.38"

Thickness

- 0.05mm/0.002"– 0.16mm/0.0063"

Media types

- Direct thermal tags or receipt paper, synthetic media, UV coated media, limited label support
- Fanfold media support (RW 420)

For optimum print quality and print engine performance, use Genuine Zebra® Supplies.

Operating characteristics

Environment

- Meets IP 54 rating
- Operating Temp. -20°C /-4°F to 55°C/131°F
- Storage/Environ. -30°C/-22°F to 65°C/149°F
- Operating Humidity 10-90% non-condensing
- Storage Humidity 10-90% non-condensing

Electrical

- Standard 2.0 a.h. 7.4V battery (RW 220)
- Standard 4.0 a.h. 7.4V battery (RW 420)
- External charging options (vehicle and AC)
- Shock-mounted internal components

Communication interface capabilities

- Optional Bluetooth® v 2.0 or 802.11b/g
- Standard cable connection: RS-232, RJ-45 10-pin
- Selectable baud rate: 9.6 to 115.2Kbps
- XON/XOFF or hardware flow control (RTS/CTS)
- USB 2.0 full-speed support, 12Mbps

Agency approvals

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

Physical characteristics

Base version RW 220:

Width: 112mm (4.4")
Depth: 74mm (2.9")
Height: 173mm (6.8")
Weight: 658g (1.45lb)

Card-reader version RW 220:

Width: 112mm (4.4")
Depth: 81.2mm (3.2")
Height: 173mm (6.8")
Weight: 703g (1.55lb)

Base version RW 420:

Width: 160mm (6.3")
Depth: 76mm (3.0")
Height: 175mm (6.9")
Weight: 907g (2.00lb)

Card-reader version RW 420:

Width: 160mm (6.3")
Depth: 79mm (3.1")
Height: 175mm (6.9")
Weight: 975g (2.15lb)

Options and accessories

- Magnetic stripe reader and EMV-certified smart-card reader
- Lithium-ion fast AC charger
- Lithium-ion quad charger
- Fanfold bin (RW 420)
- Cigarette-lighter charger (for in-vehicle charging)
- Vehicle cradle for docking and charging
- Ram mount kit
- Shoulder strap/hand strap
- Environmental soft case
- Wireless security including: VPN,WPA, EAP-TLS, EAP-TTLS, LEAP, PEAP
- ZebraLink™ Solutions: ZebraDesigner™ Pro ZebraNet™ Bridge Enterprise Zebra Universal Driver
- Label Vista™ software for native CPCL

Fonts and graphics

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 16x16 (trad), 16x16 (simplified), 24x24 (simplified); Japanese 16x16, 24x24, 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, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC and EAN 2 or 5 digit extensions, Plessey, FIM Postnet, Interleaved 2-of-5, MSI, Codabar
- 2-Dimensional: PDF417, Data Matrix, MaxiCode, RSS, Composite Symbology, QR

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice.

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Thinking about mobilising your staff?

The use of mobile printers in a warehouse or supply-chain environment improves productivity and provides a fast return on investment.



To find out how you could benefit from a Zebra mobile-printing solution, please visit www.zebra.com or e-mail mseurope@zebra.com



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