RW™ Series

Mobile Printing for Businesses on the Go

RW™ Series

- 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

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.
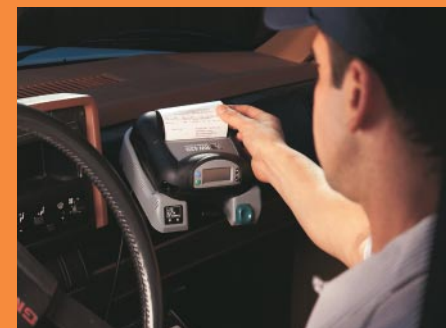
Versatile and rugged

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, the RW series printers are also damage-resistant to multiple drops whilst ensuring reliable performance.

For further information on these products, please visit the Zebra® Web site at:
www.zebra.com

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

Programming Languages

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

Operating Characteristics

Environment

- Meets IP 54 rating
- Operating Temp. -20ºC /-4ºF to 55ºC/131ºF
- Storage/Environ. -30ºC/-22ºF to 65ºC/149ºF
- 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

- Bluetooth® v.1.2 or 802.11b/g (optional)
- 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

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.

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 16x16 (trad), 16x16 (simplified), 24x24 (simplified); Japanese 16x16, 24x24, 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, 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

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

RW 220

Applications include:
- Retail: receipts, queue-busting, customer service, coupon printing
- Government & public safety: parking & law enforcement ticketing/fines, transportation ticketing

Maximum Print Area
Width: 56mm (2.20")
Length: continuous

Resolution
8 dots per mm (203 dpi)

Maximum Print Speed
76.2mm (3") per second

Memory
4MB flash, 8MB DRAM

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

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

RW 420

- Field sales: invoices, proof of delivery
- Field service: inspection reports
- Direct store delivery: goods receipt, proof of delivery, order acknowledgement

Maximum Print Area
Width: 104mm (4.09")
Length: continuous

Resolution
8 dots per mm (203dpi)

Maximum Print Speed
76.2mm (3") per second

Memory
4MB flash, 8MB DRAM

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

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

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