



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 420™ is a mobile printer ideal for printing delivery receipts and invoices on the go. Its modular design allows users to choose among wireless options, card readers, and integral accessories such as vehicle mounts for simplified route printing. Its convenient vehicle mounting and charging options as well as its user-intuitive interfaces and angled display allow for easy use while on the go!

Rough and Ready Durability for Reliable Printing

Uniquely designed for harsh outdoor environments, the RW 420 endures 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.

These IP54-certified resilient, and lightweight 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
- DEX



RW Series



Specifications at a Glance*



With optional magnetic stripe and EMV-certified smart card readers, the 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

PRINT AREA

Maximum Width: 4.09"/104 mm
Maximum Length: Continuous

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
Self-centering media holders

(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

*Specifications subject to change without notice.
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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

OPERATING CHARACTERISTICS

Environment

Meets IP54 rating
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
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

Regulatory

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

Software

Programming Language: Native CPCL with ZPL® and EPL™ emulations (standard)
Auto-detect firmware load
Smart battery management (monitors battery for longer life and performance)

Communication

Bluetooth® v. 1.2 or 802.11b (optional)
Standard cable connection: RS-232, RJ-45 10 pin
Standard USB 2.0 full speed

MEDIA CHARACTERISTICS

Max. Roll Size (O.D.): 2.25"/57 mm
Max. Media Width: 4.12"/105 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 Agfa Monotype Corporation



OPTIONS AND ACCESSORIES

Magnetic stripe reader and EMV-certified smart card reader
Lithium Ion Fast AC Charger
Lithium Ion Quad Charger
Fanfold bin
Cigarette lighter charger (for in-vehicle charging)
Vehicle cradle for docking and charging
Ram Mount Kit
Shoulder Strap/Hand Strap
Environmental Soft Case
Fanfold media support



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