

# 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.

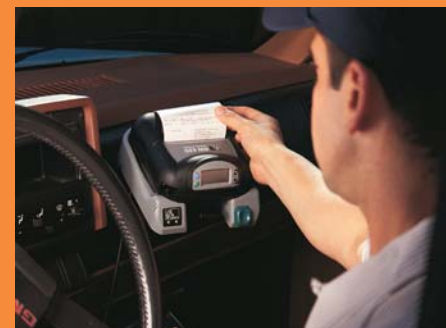
## Versatile and rugged

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



## 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



For further information on these products, please visit the Zebra Web site at:  
**[www.zebra.com](http://www.zebra.com)**



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### Other Locations

*United States:* California, Florida, Rhode Island, Wisconsin

*Europe:* Italy, the Netherlands, Poland, Spain, Sweden

*Asia-Pacific:* Australia, China, Japan, Singapore, South Korea

*Middle East & Africa:* Dubai, South Africa, India



Reliability on demand™



FS-30902  
An ISO 9000 registered company

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Specifications at a Glance*		
Standard Features		
<ul style="list-style-type: none"> <li>Print method: Direct thermal</li> <li>Four-button angled LCD</li> <li>Serial and USB interfaces</li> <li>Advanced 32-bit architecture for high-speed processing</li> <li>Smart battery management (monitors battery for longer life and performance)</li> <li>Construction: impact-modified polycarbonate, abrasion-resistant rubber overmould</li> <li>Drop specification: six-foot multiple drops to concrete</li> </ul>	<ul style="list-style-type: none"> <li>RS-232 serial interface with cable-locking mechanism</li> <li>Fanfold slot for accepting external media (RW 420™)</li> <li>Self-centring media holders</li> <li>Auto-detect firmware load</li> </ul>	
Operating Characteristics		
<b>Environment</b> <ul style="list-style-type: none"> <li>Meets IP 54 rating</li> <li>Operating Temp. -20°C /-4°F to 55°C/131°F</li> <li>Storage/Environ. -30°C/-22°F to 65°C/149°F</li> <li>Operating Humidity 10-90% non-condensing</li> <li>Storage Humidity 10-90% non-condensing</li> </ul>	<b>Communication Interface Capabilities</b> <ul style="list-style-type: none"> <li>Bluetooth® v.1.2 or 802.11b/g (optional)</li> <li>Standard cable connection: RS-232, RJ-45 10-pin</li> <li>Selectable baud rate: 9.6 to 115.2Kbps</li> <li>XON/XOFF or hardware flow control (RTS/CTS)</li> <li>USB 2.0 full-speed support, 12Mbps</li> </ul>	
<b>Electrical</b> <ul style="list-style-type: none"> <li>Standard 4.0 a.h. 7.4V battery (RW 220™)</li> <li>Standard 2.0 a.h. 7.4V battery (RW 420)</li> <li>External charging options (vehicle and AC)</li> <li>Shock-mounted internal components</li> </ul>	<b>Agency Approvals</b> <ul style="list-style-type: none"> <li>FCC Part 15 Class B, VCCI Class B, NOM/NYCE CE compliance (Class B), C-Tick, CSA</li> </ul>	
Media Characteristics		
<b>Max. Roll Size (O.D.)</b> <ul style="list-style-type: none"> <li>57mm/2.25"</li> </ul>	<b>Thickness</b> <ul style="list-style-type: none"> <li>0.05mm/0.002" – 0.16mm/0.0063"</li> </ul>	
<b>Max. Media Width</b> <ul style="list-style-type: none"> <li>25mm/1" to 60mm/2.37" (RW 220)</li> <li>51mm/2" to 105mm/4.12" (RW 420)</li> </ul>	<b>Media Types</b> <ul style="list-style-type: none"> <li>Direct thermal tags or receipt paper, synthetic media, UV coated media, limited label support</li> <li>Fanfold media support (RW 420)</li> </ul>	
<b>I.D. core</b> <ul style="list-style-type: none"> <li>19mm/0.75" or 34.9mm/1.38"</li> </ul>	For optimum print quality and print engine performance, use Genuine Zebra® Supplies.	
Fonts/Graphics/Symbolologies		
<b>Fonts and Character Sets</b> <ul style="list-style-type: none"> <li>Standard fonts: 25 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)**</li> <li>Optional fonts: downloadable bitmapped and scalable fonts</li> <li>International character sets (optional): Chinese 16x16 (trad), 16x16 (simplified), 24x24 (simplified); Japanese 16x16, 24x24, Hebrew/Arabic</li> </ul>	<b>Bar Code Symbolologies</b> <ul style="list-style-type: none"> <li>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</li> <li>2-Dimensional: PDF417, Data Matrix, MaxiCode, RSS, Composite Symbolology, QR</li> </ul>	
<b>Graphic Features</b> <ul style="list-style-type: none"> <li>Supports user-defined fonts and graphics – including custom logos</li> </ul>		
Options and Accessories		
<ul style="list-style-type: none"> <li>Magnetic stripe reader and EMV-certified smart-card reader</li> <li>Lithium-ion fast AC charger</li> <li>Lithium-ion quad charger</li> <li>Fanfold bin (RW 420)</li> <li>Cigarette-lighter charger (for in-vehicle charging)</li> <li>Vehicle cradle for docking and charging</li> <li>Ram mount kit</li> <li>Shoulder strap/hand strap</li> </ul>	<ul style="list-style-type: none"> <li>Environmental soft case</li> <li>Wireless security including: VPN, WPA, EAP-TLS, EAP-TTLS, LEAP, PEAP</li> <li>ZebraLink™ Solutions: ZebraDesigner™ Pro ZebraNet™ Bridge Enterprise Zebra Universal Driver</li> <li>Label Vista™ software for native CPCL</li> </ul>	
*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice.		
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R W 2 2 0	R W 4 2 0
<b>Applications include:</b> <ul style="list-style-type: none"> <li>Retail: receipts, queue-busting, customer service, coupon printing</li> <li>Government &amp; public safety: parking &amp; law enforcement ticketing/fines, transportation ticketing</li> </ul>	<ul style="list-style-type: none"> <li>Field sales: invoices, proof of delivery</li> <li>Field service: Inspection reports</li> <li>Direct store delivery: goods receipt, proof of delivery, order acknowledgement</li> </ul>

<b>Maximum Print Area</b> Width: 56mm (2.20") Length: continuous	<b>Maximum Print Area</b> Width: 104mm (4.09") Length: continuous
<b>Resolution</b> 8 dots per mm (203 dpi)	<b>Resolution</b> 8 dots per mm (203dpi)
<b>Maximum Print Speed</b> 76.2mm (3") per second	<b>Maximum Print Speed</b> 76.2mm (3") per second
<b>Memory</b> 4MB flash, 8MB DRAM	<b>Memory</b> 4MB flash, 8MB DRAM
<b>Physical Characteristics</b> <b>Base Version:</b> Width: 112mm (4.4") Depth: 74mm (2.9") Height: 173mm (6.8") Weight: 658g (1.45lb)	<b>Physical Characteristics</b> <b>Base Version:</b> Width: 160mm (6.3") Depth: 76mm (3.0") Height: 175mm (6.9") Weight: 907g (2.00lb)
<b>Card-reader Version:</b> Width: 112mm (4.4") Depth: 81.2mm (3.2") Height: 173mm (6.8") Weight: 703g (1.55lb)	<b>Card-reader Version:</b> Width: 160mm (6.3") Depth: 79mm (3.1") Height: 175mm (6.9") Weight: 975g (2.15lb)