

# Zebra® RW 420™ Print Station



## Carry Less, Do More

Boost the efficiency and productivity of your mobile workforce with our compact, lightweight and rugged RW 420 Print Station—perfect for your route accounting, direct store delivery, field service/sales, or electronic citation operations.

This price-competitive mobile workforce tool with built-in, easy-to-use RW 420 mobile printer now comes in two versions for expanded support of Motorola® mobile computers. The original version supports your choice of a Motorola® MC70 or MC75 removable mobile computer, and the latest version supports the Motorola® MC55 or MC65. Mobile workers can easily carry the streamlined RW 420 Print Station via shoulder or hand strap to customer visits—where they can rest the unit on their arm to enter data, conduct transactions via the optional magnetic stripe card reader, and print receipts and other documents. They'll carry less, do more!

In addition, both the printer and mobile computer can charge simultaneously via a single source. Combined with one of the charging options shown on the back, this feature saves you money, saves space in the vehicle or settlement/field service dispatch center, and saves users time.

The RW 420 Print Station allows mobile workers to visit more customers and serve them in less time, with fewer devices to carry and fewer trips to the vehicle. The RW 420 Print Station is ideal for printing:

- Receipt/invoices
- Settlement reports
- Load manifests
- Work orders
- Service estimates
- Electronic citations



RW 420 Print Station with MC55/MC65 terminal



RW 420 Print Station with MC70/MC75 terminal

# Specifications at a Glance\*

## Standard Features

- Charges and holds either the MC55/MC65 terminal (MC5590, MC55A0, MC65) or the MC70/MC75 terminal (MC7004, MC7090, MC7094, MC7095, MC7098, MC75) all with up to a 2x battery
- Direct thermal printing of bar codes, text, and graphics
- 8 MB Flash for downloadable programs, receipt formats, scalable fonts and graphics
- 16 MB DRAM
- 7.4 V, 4.0 Ahr removable, rechargeable Li-Ion battery
- Serial RS-232 (RJ-45) 10 pin
- Standard USB 2.0 full speed
- Resident scaleable fonts
- Tear bar for easy receipt dispensing
- Supports vertical or horizontal printing
- Power on/off from printer keys, terminal or host
- Center-loading media locking for variable roll widths
- "Clamshell" design for easy loading
- IP54 environmental rating (resistance to water and dust)
- Tolerance of multiple drops up to 5' to concrete
- 5 button keypad and LCD
- Smart battery management
- Advanced 32-bit architecture for high speed processing
- Serial communications between handheld and printer (through the Print Station; MC70/MC75 version)
- Serial communications (virtual COM port over USB) between handheld and printer (through the Print Station; MC55/MC65 version)
- External DEX communications interface

## Printer Specifications

Resolution: 203 dpi/8 dots per mm  
Memory: 8 MB Flash  
Max print width: 4.10"/104.1 mm  
Max print length: Continuous  
Print speed: 3"/76.2 mm per second  
Media sensors: Media door open; media out

## Media Characteristics

Maximum label and liner width: 4.25"/108mm  
Maximum media roll size:  
2.25"/57 mm O.D. on a .75"/19 mm I.D. core  
2.25"/57 mm O.D. on a 1.375"/34.9 mm I.D. core  
Media thickness: .002"/.05 mm to .0063"/.16 mm  
Media types: receipt, tag, gap, continuous receipt

## Operating Characteristics

### Environmental\*\*

- Operating temperature: -4° F/-20° C to 131° F/55° C
- Storage temperature: -22° F/-30° C to 149° F/65° C
- Operating humidity: 10% to 80%, non-condensing
- Storage humidity: 10% to 90% non-condensing
- Battery charging temperature range: 32° F/0° C to 104° F/40° C

## Electrical

12-16 nominal, 20 max VDC

## Agency Approvals

FCC Part 15 Class B, ICES-003, VCCI, NOM/NYCE, CE compliance (Class B), C-Tick

## Physical Characteristics

- Width: 11.12"/282.4 mm
- Height: 7.62"/193.5 mm
- Depth: 2.83"/71.9 mm
- Weight (with battery, without handheld): 3.25 lbs/1.47 kg (MC70/MC75); 3.31 lbs/1.50 kg (MC55/MC65)

## ZebraLink™ Solutions

### Software

- Zebra Designer™ and Zebra Designer™ Pro—Easy-to-use software program for designing label formats
- ZebraNet™ Bridge Enterprise—Centrally manage Zebra printers from a single PC screen anywhere on your global network
- ZebraDesigner™ Driver—The most powerful driver available from Zebra
- Zebra Setup Utility—Allows configuration of printer parameters
- Multiplatform Software Development Kit—Includes source code samples, documentation demonstration modules that make creating custom applications—with embedded support for Zebra printers—clear-cut and straightforward

### Networking

- Serial RS-232 (RJ-45) 10 pin
- Standard USB 2.0 full speed

## Fonts/Graphics/Symbologies

### Bar Code Ratios

1.5:1, 2:1, 2.5:1, 3:1, 3.5:1

### 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 Digital Extensions, Plessey, FIM Postnet, Interleaved 2 of 5, MSI, Codabar
- 2-Dimensional: PDF-417, DataMatrix, Maxi Code, RSS, Composite Symbology, QR

### Standard Fonts

25 bitmapped, 1 smooth, scalable (CG Triumvirate Bold Condensed); Contains UFST® from Agfa Monotype Corporation

## 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
- Supports user-defined fonts and graphics—including custom logos

## Communication and Interface Capabilities

- Serial interface: 10-pin RJ-45, RS-232C port for one-way or two-way communication to terminal/other host
- Default parameters: Baud Rate- 19,200; Parity- None; Data Bits- 8; Stop Bits-1; Handshaking- RTS/CTS
- Software (XON/XOFF) or hardware (RTS/CTS) communication handshake protocols

## Options and Accessories

- Print Station Charging Options
  - AC Adapter—Plug into the barrel jack to charge the printer and handheld.
  - DC Vehicle Charger—Plug into the barrel jack from a DC power source (either direct wired or a cigarette lighter adapter) to charge the printer and handheld.
  - Vehicle Cradle—Allows for docking and charging in the vehicle with an easy pushbutton release to carry the Print Station with you.
  - 4-Bay Power Station—Allows for wall-mounted docking and charging with an easy pushbutton release to carry the Print Station with you.
- Battery Charging Options (Charging Battery External from Print Station)
  - Fast Charger—The Li72 series of fast chargers is the recommended charging method. Average charge time is 3-4 hours. Li72 fast chargers have LEDs to clearly indicate battery status during charging.
  - Smart Charger—Fully charges a single standalone RW420 Print Station Smart Battery in less than 5 hours.
  - Quad Charger—The quad charger provides a convenient way to charge up to 4 batteries in a single location.
- Magnetic Stripe Reader; 3-track bi-directional
- Wireless Connectivity Option:
  - Bluetooth®



4-Bay Power Station

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