

Zebra® RZ™ Series

Distributed by:
MPI Label Systems
866-364-3585
www.mpilabels.com
info@mpilabels.com



RFID Industrial/Commercial Printer/Encoders

The RZ400™ and RZ600™ printer/encoders bring UHF RFID capabilities to Zebra's popular Z Series® platform and set the new standard as the price-performance leaders in RFID smart labeling. Newly enhanced, they can print/encode small labels for today's closed-loop item-level tracking applications, as well as help meet global RFID tagging compliance initiatives. These metal printer/encoders offer EPC UHF Gen 2, Class 1 support; high-speed print throughput; and rugged reliability to enhance productivity in tough environments.

Better Connected for a Connected World

The RZ series RFID printer/encoders connect easily with most warehouse/manufacturing and business applications. The RZ400 and RZ600 are better connected to your network—through USB 2.0, 802.11b/g secure wireless, or Ethernet. They're better connected to your applications—with multiple RFID power settings to adjust to current and future RFID protocols, transponder designs and sizes; choice of print resolution including 300 dpi; and XML-Enabled printing as a standard feature. And they're better connected to your needs—with easy setup via a large, easy-to-read front panel that includes Asian-language support; easy loading of supplies; and easy maintenance with quick-changing printheads and platens.



The industrial/commercial RZ400 (for smart labels up to 4 inches) and the RZ600 (for up to 6-inch smart labels) have been designed for item-, case- and pallet-level identification. Streamline business-improvement and supply-chain management applications such as:

- Item-level tracking for package verification, work in process, product authentication, document tracking and more
- Asset Tracking
- Inventory Management
- Shipping/Receiving
- Distribution



Specifications at a Glance*

Standard Features

- Integrated UHF Reader/Encoder
- EPC Gen 2 Class 1/ISO 18000-6C
- Supports wide range of transponder placements beginning at 15 mm
- Full range of RFID power settings
- RFID processes optimized for fastest label throughput
- RFID counters keep track of the good and unusable labels
- Variable RFID power settings for both read and write allow maximum flexibility for printing small labels
- 32 bit 133 MHz RISC processor
- Zebra printer driver for Windows® 3.X and 95/98/NT/2000/XP/2003 operating systems
- Advanced label/media counters
- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminum base, frame and printhead mechanism
- Metal media cover with large clear window
- Element Energy Equalizer™ (E³™) for superior print quality
- Auto-calibration
- Real-time clock
- Auto-ranging (90–265 VAC) power supply
- Color-coded operator cues
- Multi-language control panel with back-lit
- 240 x 128 pixel display
- ZPL II®
- XML-Enabled printing—Direct-connect integration for bar code label printing that eliminates license fees and print server hardware, and lowers customization and programming costs

Printer Specifications

Resolution

203 dpi/8 dots per mm; 300 dpi/12 dots per mm; 600 dpi/24 dots per mm (RZ400 only)

Memory

- Standard: 8 MB Flash, 16 MB DRAM
- Optional: Factory Installed 64 MB Flash

Print Width

- RZ400: 4.09"/104 mm
- RZ600: 6.6"/168 mm

Print Length

- RZ400: with 203 dpi: 157"/3,988 mm; with 300 dpi: 73"/1,854 mm;
- RZ600: with 203 dpi: 102"/2,590 mm; with 300 dpi: 45"/1,143 mm

Print Speed

- 203 dpi: 10"/254 mm per second;
- 300 dpi: 8"/203 mm per second;

Media Sensors

- Fixed reflective sensor
- Adjustable transmissive sensor

*Specifications subject to change without notice. ©2009 ZIH Corp. ZebraLink, ZebraDesigner, ZebraNet, ZBI 2.0, ZBI-Developer, Element Energy Equalizer, E³, and all product names and numbers are Zebra trademarks and Zebra, the Zebra head graphic, Z Series, ZebraNet and ZPL II are registered trademarks of ZIH Corp. All rights reserved. Unicode is a trademark of Unicode, Inc. UFST is a trademark of Monotype Imaging Inc. and may be registered in certain jurisdictions. All other trademarks are the property of their respective owners. For optimal printing quality and proper printer performance across our product line, Zebra strongly recommends the use of genuine Zebra supplies as part of the total solution. Specifically, the RZ400 and RZ600 are designed to work only with genuine Zebra™ printheads, thus maximizing safety and print quality.

Media Characteristics

Maximum label and liner length

Maximum non-continuous: 39"/991 mm

Maximum label and liner width

- RZ400: 4.5"/114 mm
- RZ600: 7.0"/178 mm

Maximum roll diameter

8.0"/203 mm

Core diameter

3"/76 mm

Media thickness

0.0023"/0.058 mm to 0.010"/.25 mm

Media types

Continuous, die-cut, tags, black-mark

Ribbon Characteristics

Outside diameter

3.2"/81.3 mm

Standard length

984'/300 m or 1476'/450 m

Ratio

3:1 media roll to ribbon. Ribbon must be at least as wide as media

Width

- RZ400: 2.00"/51 mm to 4.33"/110 mm
- RZ600: 2.00"/51 mm to 6.85"/174 mm

Ribbon setup

Ribbon wound ink-side out (ribbon wound ink-side in can be used with optional ribbon spindle on RZ400)

Core I.D.

1.0"/25.4 mm

Operating Characteristics

Environmental

- Operating temperature: 32° F/0° C to 104° F/40° C (Direct Thermal) 40° F/5° C to 104° F/40° C (Thermal Transfer)
- Storage temperature: -40° F/-40° C to 140° F/60° C
- Operating humidity: 20-85% non-condensing
- Storage humidity: 5-85% non-condensing

Electrical

Universal auto-ranging (PFC-compliant) power supply 90-265 VAC; 48-62Hz

Agency Approvals

- FCC subpart B & C, IC RSS 210, IEC 60950-1, EN 300 220, EN 55022 Class B, EN55024, EN 61000-3-2, EN 61000-3-3.
- Markings: cTUVus, CE, FCC-B, ICES-003, C-Tick, CNC, SUBTEL, CCC, SRRC, WPC, KCC, NOM-NYCE, COFETEL, SIRIM, OFTA, MTC, iDA, NCC, NTC

Physical Characteristics

- Width: 10.9"/278 mm
- Height: 13.3"/338 mm
- Depth: 18.7"/475 mm
- Weight: 32.4 lbs/15 kg
- Shipping weight: 49 lbs/22 kg

ZebraLink™ Solutions

Software

- ZebraDesigner™ Pro
- ZebraDesigner for XML
- ZebraDesigner Label Design Software
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v 7.0
- Zebra Universal Driver
- ZBI-Developer™
- Additional scalable and bitmapped fonts available

Networking/Connectivity

- ZebraNet Wireless Plus
- ZebraNet 10/100 Print Server
- RS-232C serial port
- High-speed, IEEE1284, bi-directional parallel interface
- USB 2.0

Firmware

- ZPL II®
- XML-Enabled Printing
- Web View
- Alert
- ZBI 2.0™

Fonts/Graphics/Symbologies

Fonts and Character Sets

- 7 bitmapped, 1 smooth scalable
- Native open type font support
- Global Printing—Unicode™ compliant
- Contains UFST® from Monotype Imaging Inc.

Graphic Features

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—for boxes and lines

Bar Code Symbologies

- Linear Bar Codes: Code 11, Code16k, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code
- 2-Dimensional: Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, GS1 DataBar (RSS), Aztec

Options and Accessories

- Factory installed 64 MB Flash memory option
- Cutter with catch tray
- Peel—a front mount, passive peel option with no liner take-up
- Liner take-up (works with peel option)—full roll liner take-up spindle (fits standard base, RZ400 only)
- Rewind—internally rewinds full label roll on 3" core (comes with taller, non-standard printer base)
- RS-422/485 serial port adapter
- Optional ribbon spindle to support ribbon wound ink-side in (RZ400 only)



www.zebra.com

Corporate Headquarters

+1 800 423 0442

E-mail: inquiry4@zebra.com

Asia-Pacific Headquarters

+65 6858 0722

E-mail: apacchannelmarketing@zebra.com

EMEA Headquarters

+44 (0)1628 556000

E-mail: mseurope@zebra.com

Latin America Headquarters

+1 847 955 2283

E-mail: inquiry4@zebra.com

Other Locations

USA: California, Georgia, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, Netherlands, Poland, Spain, Sweden **Asia Pacific:** Australia, China, India, Japan, South Korea **Latin America:** Argentina, Brazil, Florida (USA), Mexico **Africa/Middle East:** Russia, South Africa, United Arab Emirates

GSA#: GS-35F-0268N
P1035211 (12/10) 5M