



weitere Informationen erhalten Sie bei:

[www.flexicom.de](http://www.flexicom.de)

## R-140™

RFID, Smart Label Printer and Encoder

FLEXICOM GmbH  
An der Strusbek 30  
D-22926 Ahrensburg  
Telefon: 04102 / 46 16 50  
Telefax : 04102 / 46 16 25  
e-mail: [service@flexicom.de](mailto:service@flexicom.de)



## R-140™

Left  
Standard media door with clear panel

Right  
Optional bi-fold media door with clear panel



Picture represents door option only. Model shown is a 90XIII printer and is not an accurate model for the R-140, which is based on the wider 140XIII.

### A smarter, more advanced printer.

Zebra's innovative R-140 can read, write and print labels carrying embedded ultra-thin RFID transponders. Transponders contain integrated circuits that can be read, programmed and re-programmed using non-contact radio waves. This revolutionary technology enables you to change and update data repeatedly throughout the life of an RFID "smart" label.

### Brains and Brawn

This rugged 12-gauge, steel-constructed printer is one of the fastest, printing at up to 12 ips. Based on Zebra's award-winning XIII printers, the R-140 also features ZebraLink™ for active alert messaging, Web-based control, and programming flexibility.



### For more information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site.

[www.zebra.com](http://www.zebra.com)



Zebra Bar Code Products

### International Headquarters

333 Corporate Woods Parkway  
Vernon Hills, IL 60061-3109 U.S.A.  
Phone: +1 847.634.6700 or +1 800.423.0442  
Fax: +1 847.913.8766  
[www.zebra.com](http://www.zebra.com)

### Other Locations

**United States:** California, Florida, Rhode Island, Wisconsin  
**Europe:** France, Germany, Italy, United Kingdom  
**Asia:** Hong Kong, Japan, Seoul, Singapore



FM-32328  
An ISO 9001 registered company

©2000 Zebra Technologies Corporation  
Printed in U.S.A.

R-140  
#11222L (10/00)10M



When it's on the line.™

## Specifications at a Glance\*

### Standard Features

- Reads, writes, and prints RFID smart labels
- Supported transponders: Texas Instruments Tag-It™ and Philips I-Code™
- Print Methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame
- Multilingual backlit LCD display
- PCMCIA socket
- 32-bit RISC and CISC processors
- Transmissive and reflective media sensors

### Programming Languages

- ZPL II™—Universal language for Zebra printers. Simplifies label formatting and enables compatibility with other Zebra printers.
- ZBI—Controls and interprets text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

### Operating Characteristics

#### Environment

- Operating Temp. (tt) 41°F/5°C to 104°F/40°C
- Operating Temp. (dt) 32°F/0°C to 104°F/40°C
- Storage/Transport Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20-85% non-condensing
- Storage Humidity 5-85% non-condensing

#### Electrical

- Universal power supply with power-factor correction
- 90-264 VAC; 48-62 Hz

### Smart Media Characteristics

#### Smart Labels

- Max. Roll Size
- 7"/178mm O.D. on a 4"/102mm I.D. core
- Thickness (label & liner, excluding IC Chip)
- .003"/.076mm to .012"/.305mm

#### Media Type

- Continuous, die-cut or black mark

For optimum print quality and printer performance, use Genuine Zebra Smart Labels and Ribbon.

(See R-140 Printer Specifications sheet for regular media specifications)

#### Communication Interface Capabilities

- RS-232C/422/485 multi-drop
- Hi-speed, bi-directional, IEEE 1284 parallel interface
- Optional ZebraNet PrintServer II Ethernet Connection

#### Agency Approvals

- UL 1950: CISPR 22 (Class B); IEC 950: EN 300-330; EN 300-683; EN55024; CSA 950: Canadian Doc. (Class A); FCC Part 15: CE compliance

#### Ribbon Specifications

Ribbon is recommended to be at least as wide as media.

- Max. Roll Size
- 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core

#### Standard Lengths

- 1,476/450m or 984/300m; provides 3:1 & 2:1 media roll-to-ribbon ratios

#### Ribbon Set-up

- Ribbon wound ink side out

### Fonts/Graphics/Symbologies

#### Fonts and Character Sets

- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set

#### Graphic Features

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

#### Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- 2-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF

### Options and Accessories

- Rewind
- Bi-fold media door with clear panel
- 8MB DRAM expansion
- Advanced media/label counter
- Real time clock with applicator interface
- Label peel
- Cutter
- Scalable and international fonts

- 8MB PC card
- Applicator interface
- IBM Tivoli interface
- IBM Coax interface
- ZebraNet® PrintServer II
- BAR-ONE® software
- 40mm core media supply spindle
- Wireless PC card slot (contact Zebra for availability)

\*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.



R - 1 4 0

Working in a rugged environment? Because RFID technology utilizes radio waves, smart labels can be read through dirt, paint, and many non-metallic objects. RFID smart labels feature anti-collision technology, which allows you to scan and identify several objects simultaneously, such as totes of supplies.



#### ZebraLink™

ZebraLink, a revolutionary real-time connectivity and control solution for Zebra printers, includes:

- **WebView**—enables the remote monitoring and configuration capability of Zebra printers in real-time using Web-based tools.
- **Alert**—enables a Zebra printer to receive or send error Alert condition messages via the Internet.
- **ZBI™**—programming language that works with ZPL II to control and interpret incoming text and data.

ZebraLink gives you the freedom to replace other bar code printers with the superior performance and reliability of Zebra printers, without costly reprogramming of your host system. Or, you can create a stand-alone application using the R-140 printer and, for example, a scanner or weigh-scale, without the need for a PC. Internet-aware, ZBI can transmit data captured by these peripheral devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

R-140's RFID capabilities make it perfect for manufacturing, warehousing, and distribution activities as well as a variety of applications including:

- Supply chain management
- Inventory control
- Book, videotape, and X-ray film libraries
- Package and cargo tracking
- Reusable container tracking
- Work-in-process
- Access control and security systems
- Capital asset labeling/tracking



#### Maximum Print Area

Width: 5.04"/128mm  
Length:  
39"/991mm (with standard memory)

#### Resolutions

203dpi/8dots per mm

#### Maximum Print Speed

12"/305mm per second

#### Memory

1.5MB Flash, 4MB DRAM

#### Physical Characteristics

Width: 11.15"/283.2mm  
Depth: 19.5"/495mm  
Height: 15.5"/393.7mm  
Weight: 55lbs./25kg

#### RFID Smart Media Specifications

Label and liner width:  
1.57"/40mm to 5.51"/140mm  
Ribbon width:  
1.57"/40mm to 5.1"/130mm

(See R-140 Printer Specifications sheet for regular media specifications)



[www.flexicom.de](http://www.flexicom.de)

FLEXICOM GmbH  
An der Strusbek 30  
D-22926 Ahrensburg  
Telefon: 04102 / 46 16 50  
Telefax : 04102 / 46 16 25  
e-mail: [service@flexicom.de](mailto:service@flexicom.de)