



**Fulfilling the need for a compact RFID printing solution that can encode smart labels at the point of use, the R2844-Z printer/encoder is one of the most versatile in the industry!**

## RFID from your desktop

- It offers the widest range of supported 13.56MHz RFID transponders, including Philips' I-Code®, Philips' EPC, TI's Tag-it®, Inside Technologies' PicoTag®, and ISO 15693 from Philips, Infineon, and Texas Instruments.
- Transponder sizes can range from 12 x 28mm to 90 x 130mm.
- Designed for printing and encoding smart media such as wristbands and smart labels, the R2844-Z has a powerful processor and connectivity choices of standard serial, parallel, and USB ports, and optional internal Ethernet.

## KEY FEATURES

- Robust
- 32-bit microprocessor for fast label-processing
- Print speeds of up to 102mm per second
- OpenACCESS® design
- Clear media window for easy media monitoring

## IDEAL FOR:

- ✓ Healthcare/pharmaceutical
- ✓ Amusement parks/entertainment venues
- ✓ Libraries
- ✓ Express parcel offices

## Get the most out of your Zebra, put Genuine Zebra Supplies™ in!

Zebra offers a wide range of supplies for desktop printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers • Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads

▶ **For more information, visit [www.zebra.com](http://www.zebra.com)**



## SPECIFICATIONS AT A GLANCE\*

### STANDARD FEATURES

- RFID smart label printing and encoding
- Direct thermal and thermal transfer printing of bar codes, text and graphics
- OpenACCESS® design for easy media loading
- Double-walled ABS case construction
- Fully enclosed 127mm (5.0") media compartment
- 32-bit RISC processor
- Zebra E3® Printhead Energy Control
- Auto-calibration
- Auto-switching 120V and 240V power supply
- Head-up sensor
- ZebraNet™ Bridge
- ZPL II® - universal language for Zebra Printers  
– ZBI™ – programming language interpreter for translation of foreign data streams

### PRINTER SPECIFICATIONS

#### Resolution

- 8 dots per mm (203 dpi)

#### Memory

- 8MB SDRAM (4MB available for user);  
4MB flash (2.75 available to user)

#### Maximum Print Area

- Width: 104mm (4.09")
- Length: 990mm (39")

#### Maximum Print Speed

- 102mm (4") per second

#### Physical Characteristics

- Width: 201mm (7.9")
- Depth: 248mm (9.75")
- Height: 172mm (6.8")
- Weight: 1.4kg (3.2lb)

#### Media Specifications

- Label and liner width:  
25.4mm (1") to 108mm (4.25")

### MEDIA CHARACTERISTICS

#### Smart Labels

##### Maximum label and liner length

- 990mm (39")

##### Maximum label and liner width

- 108mm (4.25")

##### Maximum roll diameter

- 127mm (5") O.D. on a 25.4mm (1") I.D. core

##### Core diameter

- 25.4mm (1") to 38mm (1.5")
- Using media adapter plates (included):  
50.8mm (2"), 63.5mm (2.5"), 76.2mm (3")

##### Media thickness

- 0.08mm (0.003") to 0.19mm (0.0075")

##### Media types

- Roll-fed or fanfold, die cut or continuous direct thermal labels with or without black mark, tag stock
- For optimum print quality and performance, use genuine Zebra supplies.

### Ribbon Characteristics

#### Outside diameter

- 35mm (1.36")

#### Standard length

- 74m (244') using 0.00833mm (0.000328") ribbon thickness

#### Width

- 33mm (1.30") to 110mm (4.30")

#### Ribbon setup

- Ribbon wound ink-side out

#### Core I.D.

- 13mm (0.5")

### OPERATING CHARACTERISTICS

#### Environment

- Operating Temperature 5°C/40°F to 41°C/105°F
- Storage Temperature -40°C/-40°F to 60°C/140°F
- Operating Humidity 10% to 90% non-condensing
- Storage Humidity 5% to 95% non-condensing

#### Electrical

- Auto-detectable (PFC-compliant) 100-240VAC;  
50-60Hz

#### Communications and Interface Capabilities

- Centronics® parallel (36 pin) connector ports
- RS-232 serial interface
- USB v1.1

#### Agency Approvals

- Emissions: FCC Part 15, Subpart C, C-Tick
- Emissions and Susceptibility: (CE): ETSI 300 330-2, ETSI EN301-489-3, EN55022 Class-B, EN61000-3-2, EN61000-3-3 and EN55024
- Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, UL 60950 and C-UL

### ZEBRALINK™ SOLUTIONS

#### Software

- ZebraDesigner™ Pro
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities® v 7.0
- Zebra Universal Driver

#### Networking

- ZebraNet PrintServer II (external)

#### Firmware

- **ZPL II®** – Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers.
- **Web View** – Enables you to connect and control your bar code printer's Web interface using a common Web browser.
- **Alert** – Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

### FONTS/GRAPHICS/SYMBOLOLOGIES

#### Fonts and character sets

- Standard Fonts: 16 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)
- Supports user-defined fonts
- IBM Code Page 850 International Characters

#### Graphic features

- Supports user-defined graphics – including custom logos

#### Bar code symbolologies

- Linear Bar Codes: Codabar, Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Plessey, Postnet, Standard 2-of-5, UPC-A and UPC-E with EAN 2 or 5 digit extensions
- 2-Dimensional: Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, PlanetCode, QR Code, RSS, TLC 39

### OPTIONS AND ACCESSORIES

- Dispenser – Label peel and present with label taken sensor
- ZebraNet Print Server II (internal and external)

\*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice.

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## Thinking about mobilising your workforce?

The use of mobile printers in a warehouse or supply-chain environment improves productivity and provides a fast return on investment.

- ▶ To find out how your business could benefit from a Zebra mobile-printing solution, please visit [www.zebra.com](http://www.zebra.com), call +44 (0)1494 472872 or e-mail [mseurope@zebra.com](mailto:mseurope@zebra.com)



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#### Other EMEA Locations

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