

ZT231 RFID Industrial Printer

Affordable Industrial RFID Printing/Encoding

Today's supply chain drives real-time omnichannel visibility, end-to-end transparency, and stringent security and compliance requirements. At the same time, production costs are rising and timelines are shrinking. Stay competitive with RFID. Zebra's ZT231 RFID introduces affordable, high-quality UHF RFID printing and encoding for greater traceability and efficiency—all in one compact printer.

New to RFID? Zebra's intuitive RFID technology is easy to use. Access the wizard for simple setup. Quickly and automatically calibrate your media, reducing the need for pre-testing or complicated placement guides. As your tracking needs evolve, know that our exceptional RFID portfolio has your back.



RFID printers that fit your budget

Meeting escalating compliance requirements

Today, more and more retailers are requiring products to include RFID tags. Meet Your Needs and Stay on Top of Your Budget The ZT231 RFID printer delivers easy-to-use, superior RFID printing and encoding capabilities at an affordable price.

Simple operation and easy to use

Whether you are new to RFID or an experienced professional, Zebra's RE40 module makes RFID printing and encoding intuitive and flexible. Maximize your media selection with our adaptive encoding array and automatic calibration. Rely on the ZT231 RFID printer to encode the right label, quickly produce clear barcodes, text and graphics, and achieve a print speed of 8 inches per second at 300 dpi resolution.

Enhance your RFID capabilities

Have a wider and more reliable product portfolio

When you adopt RFID solutions, take advantage of Zebra's outstanding portfolio of RFID printers, readers, sensors and inlays to give you the edge and stay ahead of the curve. You know you're backed by a company with decades of proven expertise to meet your needs.

Advanced solutions for today and tomorrow

Efficient use of workspace

Want industrial printing capabilities, but don't have the space to accommodate them? The ZT231 RFID printer gives you the power you need in a compact package. Plus, its bi-folding doors reduce the height of the printer when it's open. But don't let its small size fool you—it can accommodate high-capacity ribbons, allowing you to change media less often.

More features. More visibility. More rewards.

For more information, visit www.zebra.com/zt231

Make work easier

The ZT231 RFID uses Zebra's Print DNA

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software feature suite, making it easy to install, use and manage. The large color touchscreen reduces training time and provides an at-a-glance view of printer status. Touch controls can be used to change RFID settings with bare hands or gloves. Helpful how-to videos can answer your questions.

Smart choices now and in the future

When you purchase a ZT231 RFID printer, you are well on your way to expanding your printer's capabilities with field-installable media handling or connectivity accessories.

Durable and intelligent upgrade

Zebra delivers on your expectations for long-lasting quality and functionality, and future-proofs your printer. The ZT231 RFID printer features a durable metal frame that can easily handle light industrial environments. It will evolve with advances in printing and RFID technology, and provide years of outstanding performance.

Software gives powerful advantages

Centralized updating, troubleshooting and monitoring

With Zebra's Printer Profile Manager Enterprise feature, part of Print DNA, you can easily manage, secure and troubleshoot networked printers from multiple locations. The intuitive browser interface lets you view status at a glance, quickly triage issues to minimize downtime and perform upgrades and maintenance.

Peace of mind with printer security

Supplies, Service and Support

Zebra Certified Supplies

Printing supplies give assets in your supply chain a "digital voice." You rely on them to communicate critical data throughout your organization. Problems with printing supplies mean processes are disrupted, productivity suffers, and costs rise. That's why we design, produce and rigorously test our own line of labels and tags to ensure your Zebra printers perform optimally and consistently. For the best quality, service and thermal printing expertise, choose Zebra Certified Supplies.

Backed by Zebra's global service and support team

Repair support services are available worldwide through Zebra and its trusted network of more than 10,000 partners. Zebra OneCare™ Maintenance Plans provide extended coverage beyond Zebra's standard warranty.

Security risks are real and costly. Endpoints are becoming more familiar targets – including networked thermal printers. Mitigate the impact of cyberattacks on you with Zebra’ s PrintSecure feature, part of Print DNA. Use secure connections to easily configure printers, identify vulnerabilities, block unauthorized access, and detect incidents before they happen.

Specification

RFID

- Supports tags compatible with the following protocols: UHF EPC Gen 2 V2, ISO/IEC 18000-63 and RAIN RFID protocols
- Integrated RFID system is field-upgradable by the user
- Adaptive encoding technology automatically selects the encoding settings that meet your needs

- Supports tags compatible with the following protocols: UHF EPC Gen 2 V2.1, ISO/IEC 18000-63 and RAIN RFID protocols
- Integrated RFID system is field-upgradable
- Adaptive encoding technology automatically selects encoding settings that meet your needs

Standard Features

- Printing method: Direct thermal or thermal transfer
- Construction: Metal frame and metal housing
- Double media door with large, clear viewing window
- Side-loading access for simplified media and ribbon loading
- Thin-film printhead with E3™ Element Energy™ Equalizer technology for superior print quality
- Tri-color LED indicator for quick status information
- 4.3-inch color resistive touchscreen with intuitive menus for fast operation and setup
- Communications: USB 2.0, RS-232 serial, 10/100 Ethernet, USB host
- ENERGY STAR™ certified
- Bluetooth Low Energy (BTLE) technology for improved positioning accuracy
- ZebraDesigner Essentials – a useful label design tool, available as a free download at www.zebra.com/zebradesigner
- Real-Time Clock (RTC)

- 打印方式：热敏或热转印
- 机身结构：金属框架和金属外壳
- 双开介质门，清晰的大型视窗
- 侧面装入耗材的通道，简化介质和碳带的装入操作
- 采用 E3™ (Element Energy Equalizer, 元素热能平衡) 技术的薄膜打印头，具备卓越的打印质量
- 三色 LED 指示灯，方便快速了解打印机状态
- 4.3 英寸彩色电阻式触控屏幕，搭配直观的菜单，方便进行快速操作和设置
- 通信 USB 2.0、RS-232 串口、10/100 以太网、USB 主机端口
- 能源之星™认证
- 蓝牙低功耗 (Bluetooth Low Energy, BTLE) 技术提高定位精度
- ZebraDesigner Essentials——实用标签设计工具，免费下载地址：www.zebra.com/zebradesigner
- 实时时钟 (Real-Time Clock, RTC)

物理参数

尺寸	ZT231 RFID 关闭状态：17 英寸（长）x 9.5 英寸（宽）x 11 英寸（高） 432 毫米（长）x 241 毫米（宽）x 279 毫米（高） ZT231 RFID 带底纸卷取装置： 17 英寸（长）x 9.5 英寸（宽）x 12.75 英寸（高） 432 毫米（长）x 241 毫米（宽）x 324 毫米（高）
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Print DNA 软件

这款打印机由我们的 Print DNA 软件功能套件提供支持，可让您的打印机快速安全运行并随业务需求而不断发展。Print DNA 功能可能因型号而异，某些功能可能需要许可证。如需更多信息，请访问 www.zebra.com/printdna

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固件

ZBI 2.0™ — 可选配功能强大的编程语言，使打印机能够运行独立应用、连接到外围设备等。ZPL 和 ZPL II™ — Zebra 编程语言提供复杂的标签格式化和打印机控制，并且与现有 Zebra 打印机兼容。

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条码码制

Linear barcodes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Code, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN (with 2-digit or 5-digit extensions), Plessey, Postnet, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, Logmars, MSI, Codabar, Planet Code
2D code: Aztec, Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS-14 (and composite codes)

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2D code: Aztec, Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS-14 (and composite codes)

Fonts and Graphics

Markets and Applications

manufacturing

- Work in Process
- Product ID/Serial Number
- Packaging label
- Receiving/warehouse label

Transport and Logistics

- Order picking/packing
- Shipping/Receiving
- Cross-docking
- Compliance Labels

Healthcare

- Laboratory Label
- Blood Bank Label
- Asset Tracking
- Unit Dose Labels
- Drug Labels

Retail

- Buy labels online for in-store pickup
- Return label
- price tag
- Shipping Labels

物理参数

重量	ZT231 RFID: 20 磅/9.1 千克 ZT231 RFID 带底纸卷取装置: 24 磅/10.9 千克
	*尺寸适用于基本型号打印机。有关其他配置的详细信息, 请咨询您的销售代表。

尺寸*ZT231 RFID 关闭状态: 17 英寸 (长) x 9.5 英寸 (宽) x 11 英寸 (高)
432 毫米 (长) x 241 毫米 (宽) x 279 毫米 (高)
ZT231 RFID 带底纸卷取装置:
17 英寸 (长) x 9.5 英寸 (宽) x 12.75 英寸 (高)
432 毫米 (长) x 241 毫米 (宽) x 324 毫米 (高)
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ZT231 RFID 带底纸卷取装置: 24 磅/10.9 千克
*尺寸适用于基本型号打印机。有关其他配置的详细信息, 请咨询您的销售代表。

打印机规格

分辨率203 dpi/每毫米 8 点300 dpi/每毫米 12 点 (可选) 内存256 MB SDRAM 内存256 MB 板载线性闪存打印宽度可达4.09 英寸/104 毫米打印速度可达12 ips (英寸每秒) (203 dpi)8 ips (英寸每秒) (300 dpi)介质传感器可移动透射式和反射式传感器打印长度可达203 dpi: 157 英寸/3988 毫米300 dpi: 73 英寸/1854 毫米

分辨率	203 dpi/每毫米 8 点 300 dpi/每毫米 12 点 (可选)
内存	256 MB SDRAM 内存 256 MB 板载线性闪存
打印宽度可达	4.09 英寸/104 毫米
打印速度可达	12 ips (英寸每秒) (203 dpi) 8 ips (英寸每秒) (300 dpi)
介质传感器	可移动透射式和反射式传感器
打印长度可达	203 dpi: 157 英寸/3988 毫米 300 dpi: 73 英寸/1854 毫米

介质特性

标签和底纸长度短达	撕纸模式: 0.7 英寸/18 毫米 切刀模式: 1 英寸/25 毫米 剥离模式: 0.5 英寸/13 毫米
介质宽度	0.75 英寸/19.4 毫米至 4.50 英寸/114 毫米
介质卷尺寸	在 3.0 英寸/76 毫米内径的卷芯上的外径为 8.0 英寸/203 毫米 在 1.0 英寸/25 毫米内径的卷芯上的外径为 6.0 英寸/152 毫米
介质厚度	0.003 英寸/0.076 毫米至 0.010 英寸/0.25 毫米
介质类型	连续纸、模切纸、有凹口的纸、黑标纸

7 bitmaps, 1 smooth scalable (CG Triumvirate™ Bold Condensed) Preloaded Unicode™-compatible, scalable fonts, including EMEA character sets, International character sets, support for the following code pages: IBM™ Code Page 850 Support for user-defined fonts and graphics, including custom logos ZPL II drawing commands, including boxes and lines; 64 MB user-available Flash for downloadable objects; 32 MB user-available SDRAM

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Options and accessories

Communications

- 802.11ac Wi-Fi wireless
- 10/100 Ethernet
- Applicator interface

Media handling

- Peeler — Front-mounted passive peel option without take-up spindle
- Peeler — Front-mounted passive peel option with liner take-up spindle (factory installed only)
- Cutter — Front-mounted guillotine cutter

RFID*

- Field installable UHF RFID kit

Keyboard Display Unit

- ZKDU™ Keyboard Display Unit for use in standalone printing applications

Communications

- 802.11ac Wi-Fi wireless
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- Applicator interface

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footnote

Managed Print Services (MPS) makes printing easier

Our printers offer advanced remote management, analytics and security features, making them an excellent choice for MPS. Using the Print DNA software toolset, your Zebra MPS provider can remotely manage and optimize your printers, track and automate supplies replenishment and ensure security. For more information, visit www.zebra.com/managed-print-services

标签和

底纸长度短达撕纸模式：0.7 英寸/18 毫米

切刀模式：1 英寸/25 毫米

剥离模式：0.5 英寸/13 毫米

介质宽度0.75 英寸/19.4 毫米至 4.50

英寸/114 毫米介质卷尺寸在 3.0 英寸/76

毫米内径的卷芯上的外径为 8.0 英寸/203

毫米

在 1.0 英寸/25 毫米内径的卷芯上的外径为

6.0 英寸/152 毫米

介质厚度0.003 英寸/0.076 mm 至 0.010

in./0.25 mm介质类型连续纸、模切纸、有凹

口的纸、黑标纸

Our printers offer advanced remote management, analytics and security features, making them an excellent choice for MPS (Managed Print Services). Using the Print DNA suite of software features, your Zebra MPS provider can remotely manage and optimize your printers, track and automate supplies replenishment and ensure security. For more information, visit www.zebra.com/managed-print-services

碳带特性（仅热转选项）

标准长度1,476 英尺/450 米宽度1.57 英寸/40

毫米至 4.33 英寸/110 毫米卷芯1.0 英寸/25.4

毫米

标准长度	1,476 英尺/450 米
宽度	1.57 英寸/40 毫米至 4.33 英寸/110 毫米
卷芯	1.0 英寸/25.4 mm

操作特性

工作温度	热转印：40°F 至 105°F/5°C 至 40°C 热敏：32°F 至 105°F/0°C 至 40°C
存储/运输温度	-40°F 至 140°F/-40°C 至 60°C
工作湿度	20% 至 85%（无冷凝）
存储湿度	5% 至 85%（无冷凝）
电气规格	通用的自适应适配（兼容 PFC） 电源 100-240 VAC；50-60 Hz 能源之星™认证
机构认证	IEC 62368-1、EN55022 B 类、EN55024、EN55035、EN61000-3-2、EN6100-3-3、FCC B 类、ICES-003、FCC 15.209；15.247(d)、IC RSS 247、EN 300 328、EN 301 893、EN 62311、cTUVus、CE 标志、UKCA、VCCI、RCM、S 标志、CCC、CU EAC、BSMI、KCC 和 BIS

了解更多产品和行业应用：www.zebra.com

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(注：如果您是铁通用户，请发邮件至contact.apac@zebra.com咨询)



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