

## ZT200 Series Industrial Printers

### Industrial printing that fits your budget

Zebra's most affordable industrial printers, the ZT200™ Series, incorporate extensive customer feedback and the learnings from legacy printers—creating innovative printers with a space-saving design. Featuring Zebra's Print DNA, the ZT200 Series provides users with effortless setup, intuitive operation and easy service and maintenance.



### Designed with You in Mind

#### **You Spoke. We Listened.**

The ZT200 Series' design is the culmination of extensive feedback from our customers and understanding of their printing applications, evolving business needs and operational challenges. The ZT200 Series offers outstanding functionality and features at an exceptional value.

### Engineered for Versatility and Outstanding Value

#### **Intuitive and Powerful Operation**

Whether you are adopting barcode technology for the first time or upgrading existing printer models, the ZT200 Series is the right choice for a variety of labeling applications. These innovative printers provide many user benefits, and they are ENERGY STAR® certified to save you money throughout their lifecycle.

#### **Small Footprint. Easy to Maintain.**

The ZT200 Series offers a streamlined design and smaller footprint that takes up less physical space than the legacy S4M™ printer. ZT200 Series printers require minimal operator training and benefit from tool-less standard component maintenance and a durable design to minimize service.

#### **Simple to Integrate and Manage**

Featuring Zebra's Link-OS environment—an innovative operating system combining a powerful Multiplatform Software Development Kit (SDK) and software applications—ZT200 Series printers are easy to integrate, manage and maintain from any location around the globe. Your IT staff will also appreciate the backwards compatibility, since it allows for new printers to be up and running with minimal time and effort.



**For more information about ZT200 Series Industrial Printers,**  
please visit [www.zebra.com/zt200](http://www.zebra.com/zt200).

### **Transformed from the Inside**

The printer hardware is just the start of what you need to maximize the value of your printers. The ZT200 is powered by Link-OS, Zebra's robust printer operating system, and Print DNA, a combination of productivity, management, development and visibility tools. The result transforms your printers from the inside for superior printing through better performance, simplified remote manageability and easier integration.

### **Meets a Variety of Application Needs**

Durable and small in size, ZT200 Series printers are ideal for a variety of applications from manufacturing and transportation and logistics, to healthcare and retail. From item and specimen tagging to shelf-edge and packaging labeling, these printers can meet the demands of your operations.

## **ZT200 Series Offers Two Models to Best Suit Your Needs**

### **The ZT230**

With a rugged all-metal case for long-lasting use, the ZT230 offers a graphical LCD user interface for easy printer setup and control, and S4M replacement that easily integrates into your environment. It is ideal for barcode-labeling applications requiring more frequent format or printer setting changes.

### **The ZT220**

Zebra's most affordable industrial printer, the ZT220 has a durable high-impact polymer case for long-lasting use, and a simple single-use three-button user interface. It is ideal for barcode-labeling applications where minimal format or printer setting changes are required.

### **Space-Saving Design**

With a compact footprint, streamlined design and unique bi-fold door (requires 4 in./102 mm of opening space), these printers easily fit into confined areas to maximize work space.

### **Fast Installation and Integration**

As ideal replacement printers for previous generation Stripe and S4M models, they offer multiple connectivity options: Parallel, 10/100 Ethernet, and 802.11a/b/g/n wireless. The icon-based status LEDs provide immediate and easily visible printer status. And the Virtual Devices apps enable Link-OS printers to support well-known legacy and competitor printer languages—in addition to ZPL® and EPLTM<sup>1</sup>—for a future-proofed investment.

### **Intuitive, Effortless Media Loading**

The side-loading design eliminates complicated threading of supplies. The color-coded cues give even first-time users visual guidance for loading ribbon and media. And illuminated multi-position transmissive and reflective sensors are visible through the media for trouble-free sensor-position adjustment.

### **Print Quality, Reliability and Durability**

These printers are engineered for greater print precision with fine-tuned adjustments. They provide crisp, clean text and barcodes—even on narrow media. Built for light industrial and commercial environments, they are ENERGY STAR® certified, with a drive system designed for optimal performance with minimal maintenance required.

### **Simplified Serviceability**

Tool-less platen and printhead removal enables simple cleaning and replacement, with easy interchangeable connectivity options for rapid printer changes and upgrade. Only three common tools are needed for basic service.

## **Supplies, Service and Support**

### **Zebra Certified Supplies**

Ensure consistent print quality, reduce downtime and increase productivity with Zebra Certified Supplies—manufactured with the exact same materials every time for consistently readable and scannable output without adjusting printer darkness settings between rolls.

### **Zebra OneCare™ Services**

Increase printer uptime with a Zebra OneCare™ service agreement. Reduce lost productivity with a cost-effective means of planning and budgeting for your annual maintenance expenditures. A variety of plans are offered to fit your business needs.

# Specifications

## Standard Features

- Print methods: direct-thermal or thermal-transfer (optional)
- Construction: metal frame with choice of metal (ZT230) or plastic (ZT220) media cover
- Bi-fold media door with large clear window
- Side-loading supplies path for simplified media and ribbon loading
- Thin film printhead with E3™ Element Energy™ Equalizer for superior print quality
- Bi-color LEDs for quick printer status
- Icon-based LCD multilingual graphical user interface and full function keypad (ZT230)
- Simple keypad (ZT220)
- Communications: USB 2.0 and RS-232 Serial ports
- ENERGY STAR® certified
- ZebraDesigner Essentials – easy label design tool free at [www.zebra.com/zebradesigner](http://www.zebra.com/zebradesigner)

## Physical Characteristics

Dimension	ZT220 closed: 17 in. L x 9.4 in. W x 11 in. H 432 mm L x 239 mm W x 280 mm H ZT230 closed: 17 in. L x 9.5 in. W x 10.9 in. H 432 mm L x 242 mm W x 277 mm H
Weight	ZT220 closed: 17 lbs./7.8 kg ZT230 closed: 20 lbs./9.1 kg
	*Dimensions are for the base model printer. Consult your sales representative for specifics regarding other configurations.

## Printer Specifications

Operating System	Link-OS®
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
Memory	128 MB SDRAM memory 128 MB on-board linear Flash memory
Maximum Print Width	4.09 in./104 mm
Maximum Print Speed	6 in./152 mm per second
Media Sensors	Transmissive and reflective sensors
Print Length	203 dpi: 157"/3988 mm 300 dpi: 73"/1854 mm

## Media Characteristics

Media Width	0.75 in./19.4 mm to 4.50 in./114 mm
Media Roll Size	8.0 in./203 mm O.D. on a 3.0 in./76 mm I.D. core 6.0 in./152 mm O.D. on a 1.0 in./25 mm I.D. core
Media Thickness	0.003 in./0.076 mm to 0.010 in./0.25 mm
Media Types	Continuous, die-cut, notch, black mark

## Software Tools

- Print DNA Software Solutions
- Development Tools — With faster, easier and smarter integration of Zebra printers with your devices and applications, your Zebra printing solutions are up and running in less time, with less cost.
  - Management Tools — Minimize IT effort and maximize IT control with Print DNA management tools — the easy way to add and manage any number of printers, anywhere — from a handful of printers to thousands of printers all around the world.
  - Productivity Tools — Reach new levels of productivity with innovations that streamline tasks and workflows, optimize device performance and solve tomorrow's printing problems today.
  - Visibility Tools — Regardless of whether or not you have an existing Mobile Device Management solution in place, robust visibility tools provide unparalleled insight into printer health, usage and performance.

## Firmware

- ZBI 2.0™ — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.
- ZPL and ZPL II® — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.
- EPL and EPL2™ — Eltron® Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications. (EPL with Line Mode available on direct thermal models only.) (EPL available on 203 dpi models only.)

## Barcode Symbologies

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

## Fonts and Graphics

- 7 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed\*)
- Pre-loaded Unicode™-compliant scalable fonts for EMEA character sets
- International character sets supporting the following code page: IBM®
- Code Page 850
- Supports user-defined fonts and graphics, including custom logos
- ZPL II drawing commands including boxes and lines
- 58 MB user available non-volatile memory storage for downloadable objects
- 4 MB user-available SDRAM
- \*Contains UFST® from Agfa Monotype Corporation

## Options and Accessories

- Communication
- ZebraNet® a/b/g/n Print Server (internal)
  - ZebraNet® 10/100 Print Server (internal or external)
  - Centronics® Parallel port (internal)Media Handling
  - Peel — a front-mount, passive-peel with no take-up spindle
  - Peel — a front-mount, passive-peel with liner take-up spindle (factory-fit only)
  - Cutter — a front-mount guillotine cutter
- Real Time Clock (RTC)
- Keyboard Display Unit  
ZKDU™ keyboard display units for stand-alone printing applications

# Markets and Applications

## Manufacturing

- Work-in-process
- Product iD/serial numbers
- Packaging labeling
- Receiving/put-away labeling

## Transportation and Logistics

- Order picking/packing
- Shipping/receiving
- Cross docking
- Compliance labeling

## Healthcare

- Orders
- Specimen labeling
- Asset tracking
- Unit-of-use labeling

## Retail

- Shelf labeling
- Shipping
- Returns
- Item tags

## Government

- Asset tracking
- Logistics labeling
- Warehousing

## Ribbon Characteristics (Thermal-transfer option only)

Standard Length	ZT220: 1,476 ft./450 m ZT230: 1,476 ft./450 m
Width	1.57 in./40 mm to 4.33 in./110 mm
Core	1.0 in./25.4 mm

## Options and Accessories

## Operating Characteristics

Operating Temp.	Thermal transfer: 40°F to 105°F/5° to 40°C Direct thermal: 32°F to 105°F/0° to 40°C
Storage/Transportation Temperature	-40°F to 140°F/-40° to 60°C
Operating Humidity	20% to 85% non-condensing
Storage Humidity	5% to 85% non-condensing
Electrical	Universal auto-ranging (PFC-compliant) power supply 100-240 VAC; 47-63 Hz ENERGY STAR certified
Agency Approvals	IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3 ZT220: cTUVus, CE, FCC, ICES-003, VCCI, C-Tick, NOM, Gost-R, BSMI, S-Mark (Argentina), KC, CCC, UkrSepro, SII, SABS ZT230: cTUVus, CE, FCC, ICES-003, VCCI, C-Tick, NOM, Gost-R, BSMI, S-Mark (Argentina), KC, CCC, UkrSepro, SII, SABS



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