

## ZT230 Industrial Printer



Print Methods: Direct thermal and Thermal Transfer (optional) Resolution: 203 dpi

Rating: Not Rated Yet

[Ask a question about this product](#)

[Zebra](#)

### Description

#### More Standard Features

- Element Energy Equalizer™ (E3®) for superior print quality
- USB 2.0 and RS-232 serial ports
- Dual media sensors - transmissive and reflective sensing technology, selectable through software or front panel
- Media supply hanger designed for 1" (25mm) through 3" (76mm) core diameters
- Side loading metal print mechanism with head open lock
- [Link-OS™](#) environment capable

---

#### Printer Specifications

Resolution: 203 dpi (8 dots/mm)  
300 dpi (12 dots/mm)  
Memory: 128MB Flash, 128MB RAM  
Print width: 4.09"/104 mm  
Print length: 203 dpi: 157"/3,988 mm and 300dpi: 73"/1854 mm (optional)  
Print speed: 203 dpi:  
6" (152 mm)/sec  
300 dpi:  
6" (152 mm)/sec  
Media sensors Reflective, Transmissive

---

#### Media Characteristics

Maximum label and liner width: 4.50"/114 mm  
Minimum label and liner width: 0.75" (19.4 mm)  
Maximum non-continuous label length: 39"/991 mm  
Maximum Media Roll Size:

- 8.0" (203 mm) O.D. on a 3" (76 mm) I.D. core
- 6.0" (152 mm) O.D. on a 1" (25 mm) I.D. core

Media thickness: 0.003"/0.076 mm to 0.010"/0.25 mm

## Midrange Printers: ZT230 Industrial Printer

---

Media types: continuous, die-cut, notch, black mark

---

### Ribbon Characteristics

Outside diameter: 300m = 2.7"/68.6 mm; 450m = 3.2"/81.3 mm  
Standard length: 984/300 m or 1476/450 m  
Ribbon width: 1.57"/40 mm to 4.33"/110 mm  
Ribbon setup: Ribbon wound ink-side out  
ID Core: 1.0" (25.4 mm)

---

### Operating Characteristics

Operating temperature TT: Operating temperature: 40° F (5° C) to 104° F (40° C)  
Thermal transfer DT: Operating temperature 32° F (0° C) to 104° F (40° C) Direct thermal Storage temperatures: -40° F (-40° C) to 140° F (60° C)  
Operating humidity: 20% to 85% non-condensing  
Storage humidity: 5% to 85% non-condensing  
Energy Star certified universal auto-ranging (PFC-compliant) power supply 100-240VAC; 47-63 HZ. Not 90–265VAC; 48–62Hz

### Agency approvals

- IEC 60950
- EN 55022 Class B
- EN55024
- EN 61000-3-2
- EN 61000-3-3

---

### Physical Characteristics

Width: 9.5"/242 mm  
Height: 10.9" (277 mm)  
Depth: 17" (432 mm)  
Weight: 20 lbs (9.1 kg)  
Shipping weight: 25 lbs (11.4 kg)

---

### Related Products

#### Options

#### *Factory Installed Printer Options*

- Thermal Transfer Core-to-Core Ribbon Handling System
- Print head 300 dpi (12 dots/mm)
- A front mount, passive peel option, w/ no take-up spindle
- A front mount guillotine cutter
- Liner Take-Up for ZT230 only, rewinds entire 8" roll of liner (includes peel option)

#### *Field Installed Printer Options*

- Additional scalable and smooth bitmapped fonts available
- Print head 300 dpi (12 dots/mm)
- A front mount, passive peeler
- A front mount guillotine cutter
- Internal parallel port option
- ZebraNet 10/100 Print Server – supports 10/100 Ethernet networks internally integrated option that enables the use of ZebraLink Webview and Alert features.
- ZebraNet n Printer Server – supports 802.11 a/b/g/n networks via an internally integrated option
- Real Time Clock (RTC) –date/time for standalone applications
- Keyboard Display Unit (KDU) option – Enter variable data and retrieve stored forms for standalone applications (requires null modem adapter with DB9 serial cable).

#### Communication and Interface Capabilities

- Internal parallel port option
- ZebraNet® 10/100 Print Server – supports 10/100 Ethernet networks internally integrated option that enables the use of ZebraLink Webview and Alert features.
- ZebraNet® n Printer Server – supports 802.11 a/b/g/n networks via an internally integrated option.

---

### Programming Languages

Core programming languages: ZPL I/ZPL II

---

### Bar Codes/Symbologies

Bar code modulus "X" dimension:

- Picket fence (non-rotated) orientation:

203 dpi = 4.9 mil to 49 mil

300 dpi = 3.3 mil to 33 mil

- Ladder (rotated) orientation:

203 dpi = 4.9 mil to 49 mil

300 dpi = 3.9 mil to 39 mil

Bar code ratios – 2:1, 7:3, 5:2, & 3:1

Linear bar codes: 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 2-or 5-digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar and Planet Code

2-dimensional bar codes: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, MicroPDF, RSS-14 (and composite), Aztec

### Fonts and Graphics

- Fonts A, B, C, D, E, F, G, H, and GS are expandable up to 10 times, height and width independently. However, fonts E and H (OCR-A and OCR-B) are not considered "in-spec" when expanded.
- The scalable smooth font 0 (CG Triumvirate™ Bold Condensed) is expandable on a dot-by-dot basis, height and width independent, while maintaining smooth edges. Maximum character size depends on available memory.
- IBM Code Page 850 international character sets are available in the fonts A, B, C, D, E, F, G, and 0 through software control.