

# ZT220-230 SPECIFICATIONS

ZT220

ZT230



## Printer Name

ZT220  
ZT230

## 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
- Element Energy Equalizer™ (E3™) 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)
- USB 2.0 and RS-232 serial ports
- Energy Star-compliant

## Printer Specifications

### Resolution

- 203 dpi/8 dots per mm
- 300 dpi/12 dots per mm (optional)

### Memory

Standard: 128 MB flash (58 MB user-available), 128 MB DRAM

### Print width

4.09"/104 mm

### Print speed

6"/152 mm per second

### Media sensors

Transmissive and reflective sensors

### Media characteristics

- Maximum label and liner width: 4.5"/114 mm
- Maximum non-continuous label length: 39"/991 mm

### Media width

0.75"/19.4 mm to 4.50"/114 mm

### Print length

- 203dpi: 157"/3,988 mm
- 300dpi: 73"/1,854 mm

### Maximum media roll size

- 8.0"/203 mm O.D. on a 3.0"/76 mm I.D. core
- 6.0"/152 mm O.D. on a 1.0"/25 mm I.D. core

### Media thickness

0.003"/0.076 mm to 0.010"/0.25 mm

### Media types

Continuous, die-cut, notch, black mark

## Ribbon characteristics

(Thermal-transfer option only)

### Outside diameter

3.2"/81.3 mm on a 1.0"/25 mm I.D. core (ZT230)

### Standard length

300 m/984' (ZT220) or 450 m/1,476' (ZT230)

### Ratio

- 2:1 media-roll-to-ribbon ratio for ZT220
- 3:1 media-roll-to-ribbon ratio for ZT230

### Width

1.57"/40 mm to 4.33"/110 mm

### Ribbon setup

Ribbon wound ink-side out, core to core

## Operating characteristics

### Environmental

- Operating Temperature: 40° F/5° C to 105° F/40° C (Thermal Transfer) 32° F/0° C to 105° F/40° C (Direct Thermal)
- Storage/Transport Environment: -40° F/-40° C to 140° F/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-compliant

### Agency approvals

- IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3
- cTUVus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, S Mark, CCC, GOST-R, KCC, BSMI, UkrSepuro

## Physical Characteristics

	ZT220 closed	ZT230 closed
Width:	9.4"/239 mm	9.5"/242 mm
Height:	11"/280 mm	10.9"/277 mm
Depth:	17"/432 mm	17"/432 mm
Weight:	17.8 lbs/8.1 kg	20 lbs/9.1 kg

## Options and accessories

- 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 (KDU)

## ZebraLink Solutions

### Optional software

- ZebraDesigner™ Pro
- ZebraNet™ Bridge Enterprise
- ZebraNet Setup Utilities v 7.0
- ZBI 2.0™ ZBI-Developer™

### Optional connectivity

- ZebraNet™ a/b/g/n Print Server (internal)
- ZebraNet™ 10/100 Print Server (internal or external)
- Centronics™ parallel port (internal)

### Firmware

- ZPL II™
- Zebra Global Printing Solution
- EPL2™ (late 2012)
- Web View & Alert
- ZBI 2.0 (optional)

## 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
- 2-Dimensional: 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). Contains UFST™ from Agfa Monotype
- 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

\*Specifications subject to change without notice.

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