

ZT410-420 SPECIFICATIONS



Printer Name

ZT410
ZT420

Standard Features

- Print Methods: Thermal transfer and direct thermal printing
- Construction: Metal frame and bi-fold metal media cover with enlarged clear viewing window
- Side-loading supplies path for simplified media and ribbon loading
- Element Energy Equalizer™ (E³) for superior print quality
- Communications: USB 2.0, high-speed, RS-232 Serial, 10/100 Ethernet, Bluetooth 2.1, USB Host
- Back-lit, multiline graphic LCD display with intuitive menu and easy-to-use keypad for quick operation
- Bi-colored status LEDs for quick printer status
- ENERGY STAR[®] qualified

Printer Specifications

Resolution

- 203 dpi/8 dots per mm
- 300 dpi/12 dots per mm (optional)
- 600 dpi/24 dots per mm (optional for ZT410 only)

Memory

- 256 MB SDRAM memory
- 512 MB on-board linear Flash memory

Maximum Print Width

4.09"/104 mm (ZT410)
6.6"/168 mm (ZT420)

Maximum Print Speed

14 ips/356 mm per second (ZT410)
12 ips/305 mm per second (ZT420)

Media Sensors

Dual media sensors: transmissive and reflective

Media Characteristics

Media web width (label and liner):

- ZT410
 - 1.00"/25.4 mm to 4.5"/114 mm tear/cutter
 - 1.00"/25.4 mm to 4.25"/108 mm peel/rewind
- ZT420
 - 2.00"/51 mm to 7.0"/178 mm tear/cutter
 - 2.00"/51 mm to 6.75"/171 mm peel/rewind

Maximum non-continuous label length:
39"/991 mm

Print Length

- ZT410
 - 203 dpi: 157"/3988 mm
 - 300 dpi: 73"/1854 mm
 - 600 dpi: 39"/991 mm
- ZT420
 - 203 dpi: 102"/2591 mm
 - 300 dpi: 45"/1143 mm

Maximum Media Roll Size

8.0"/203 mm O.D. on a 3"/76 mm I.D. core

Media Thickness

0.0023"/0.058 mm to 0.010"/0.25 mm

Media Types

Ribbon Characteristics

(Thermal-transfer option only)

Outside Diameter

450 m: 3.2"/81.3 mm O.D. on a 1.0"/25.4 mm I.D. core

Standard Length

1476'/450 m

Width

- ZT410 - 2.00"/51 mm to 4.33"/110 mm
- ZT420 - 2.00"/51 mm to 6.85"/174 mm

Ribbon Setup

Ribbon wound ink-side out; ribbon wound ink-side in can be used with the optional ribbon spindle

Operating Characteristics

Environmental

- Operating Environment:
 - Thermal transfer: 40° to 104°F/5° to 40°C
 - Thermal direct: 32° to 104°F/0° to 40°C
 - 20% to 85% non-condensing R.H.
- Storage/Transportation Environment:
 - -40° to 140°F/-40° to 60°C
 - 5% to 85% non-condensing R.H.

Electrical

- Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz, rated at 100 Watts
- ENERGY STAR qualified

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 (Arg), CCC, CU, BSMI, KCC, SABS, IN-Metro

Physical Characteristics

	ZT410 closed	ZT420 closed
Width:	10.6"/269 mm	13.25"/336.55 mm
Height:	12.75"/324 mm	12.75"/324 mm
Depth:	19.50"/495 mm	19.50"/495 mm
Weight:	36 lb./16.33 Kg	40 lb./18.14 Kg

Options and Accessories

Communication

- Parallel (Bi-directional interface)
- Wireless: ZebraNet[®] Printer Server – supports 802.11 a/b/g/n networks via an internally integrated option that enables the use of Webview and Alert features

Media Handling

- Rewind: Internally rewinds a full roll of printed labels on 3" core, or peels and rewinds liner (Factory installed only)
- Peel: Front-mount, passive peel option
- Peel: Liner take-up option – additional full-roll liner take-up spindle accommodates standard printer base
- Cutter: Front-mount guillotine cutter and catch tray
- 1" I.D. Core media supply hanger
- Ink-side in ribbon supply spindle

RFID

- Supports tags compatible with UHF EPC Gen 2 V1.2/ISO 18000-6C
- Integrated RFID system is user-upgradable in the field and available on both 4" and 6" models
- Adaptive Encoding Technology automatically selects optimum encode settings

Keyboard Display Unit

Supports KDU Plus™ and ZKDU: Enter variable data and retrieve stored forms for standalone applications

Link-OS Solutions

Software Tools

- Document Design: Quickly design a customized print solution using your business data and Zebra's intuitive, plug-and-print design tools.
- Device Integration: Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems.
- Device Management: Manage your print operations locally and globally with Zebra's suite of device management tools.
- Developer Tools: Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more.

Firmware

- Resident ZPL, ZPL II[®] and EPL[®] programming languages, selectable through software or front panel.
- XML-enabled Printing — allows XML communications for barcode label printing.

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

Fonts and Graphics

- 16 resident expandable ZPL II bitmap and two resident scalable ZPL fonts
- Asian and other international scalable and smooth bitmapped fonts
- Unicode: For multi-language printing
- Downloadable objects include graphics, scalable and bitmap fonts, label templates and formats
- IBM Code Page 850 international character sets are available in the fonts A, B, C, D, E, F, G and O through software control
- Code Page 1250, 1252, 1253, 1254, 1255 Support with font O
- 64 MB user available non-volatile memory storage for downloadable objects
- 4 MB user-available SDRAM



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