Zebra® ZT400™ Series

Keep your critical operations running efficiently with Zebra's durable ZT400 Series printers, designed for years of performance in a wide array of applications.

The ZT400 Series builds on the field-proven reliability of the Z Series™ with advancements in print speed, print quality and connectivity options. Designed for ease of use, the ZT400 Series printers offer an intuitive icon-based LCD graphical user interface and easy supplies loading. And, they include standard USB, Serial, Ethernet and Bluetooth® capabilities. Expanded RFID capacities deliver greater tracking abilities, deeper visibility and enterprise insights.

The ZT400 Series is offered in both 4" and 6" models and comes standard with an extensive set of advanced features that ensure your printer investment will always meet your needs, now and in the future. Constructed using an all-metal frame and bi-fold door, this printer is designed to fit well in space-constrained environments.

Featuring Zebra's Link-OS® environment — an innovative operating system combining a powerful Multiplatform Software Development Kit (SDK) and software applications—ZT400 Series printers are easy to integrate, manage and maintain from any location around the globe.

Ideal for These Applications

Manufacturing: work-in-process, product ID/serial numbers, packaging labels, receiving/put-away labeling

Transportation & Logistics: order picking/packing, shipping/receiving, cross-docking, compliance labeling

Retail: distribution centers, back-of-store operations

Healthcare: laboratory labels, blood-bank labels, asset tracking, pharmacy labeling

Maximum print width	4"
Maximum ribbon length	450 m
Maximum print speed	14 ips
User Interface	LCD
Print resolution	203, 300, 600 dpi
Printer control language	ZPL, EPL, others

SPECIFICATIONS AT A GLANCE*

Printer Name
ZT410

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)

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

Maximum Print Width
4.09"/104 mm (ZT410)

Maximum Print Speed
14 ips/356 mm per second (ZT410)

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

Print Length
- ZT410
  - 203 dpi: 157"/3988 mm
  - 300 dpi: 73"/1854 mm
  - 600 dpi: 39"/991 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
Continuous, die-cut, notch, black-mark

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

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: 40º to 104ºF/5º to 40ºC
  - Thermal direct: 32º to 104ºF/0º to 40ºC
  - 20% to 85% non-condensing R.H.
- Storage/Transportation Environment:
  - -40º to 140ºF/-40º to 60ºC
  - 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
Width:	10.6"/269 mm
Height:	12.75"/324 mm
Depth:	19.50"/495 mm
Weight:	36 lb./16.33 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 0 through software control
- Code Page 1250, 1252, 1253, 1254, 1255 Support with font 0
- 64 MB user available non-volatile memory storage for downloadable objects
- 4 MB user-available SDRAM

ICS
RETAIL INFORMATION SYSTEMS