

# ZD410-HC Direct Thermal Printer

## Healthcare ready ultra-compact 2-inch printer

You need to print high-resolution labels for patient records and patient wristbands to medication prescriptions and tiny specimen vials. The closer printing can be done to the point-of-task, the more productivity and accuracy are improved. But in nurses stations, pharmacies and labs, space is an issue — until now. Smaller than a loaf of bread, this easy to deploy and easy to use ultra-compact fast printer fits on the most space constrained desk or shelf. Designed for healthcare, this printer is ready for constant disinfecting and comes complete with a healthcare-compliant power supply. Optional 300 dpi printing ensures the tiniest labels are crisp and legible. And Zebra OneCare service provides unmatched support that covers everything from worn out printheads to normal wear and tear. The ZD410 — the “fits anywhere” printer that puts high quality label printing, right where you need it.



### Ultra Compact “Fits Anywhere” Printer

The ZD410 is the smallest printer in its class, fitting easily in the most space-constrained desktop or shelf.

### Easy to Clean and Sanitize

Disinfectant-ready plastics and a sealed button interface make the ZD410 easy to clean and disinfect, helping prevent the spread of germs in hospitals and clinics. And the power supply is IEC 60601-1 compliant for use in healthcare facilities.

### Adaptable to Meet Your Current and Future Needs

The movable media sensor supports media with off-center black marks, die-cut notches or multiple labels across the width. Easily deploy in practically any technology environment with virtually every modern connectivity option, including USB, auto-sensing serial or 10/100 Ethernet and the latest wireless options — 802.11ac Wi-Fi and Bluetooth 4.1. You can support Wi-Fi and Ethernet connectivity simultaneously. Add new communication or media handling options in the future, such as serial or Ethernet connectivity, and a peeler and a cutter, right on site. Backwards compatibility with existing applications, formats and printer languages allows you to easily upgrade from your aging Zebra LP 2824 Plus — just plug in the ZD410 and you’re back up and running. And with support for Zebra ZPL and EPL printer languages and many non-Zebra languages, it’s easy to upgrade from competitive printers.

### Easy to Use and Troubleshoot

Five status icons — status, pause, data, supplies and network — provide the information needed to keep the ZD410-HC up, running and available. At glance, users can see if the media needs to be replenished, if the network connection is down and more.



The “fits anywhere” ZD410 — high-quality label printing wherever you need it.

For more information, visit [www.zebra.com/ZD410](http://www.zebra.com/ZD410)

**Link-OS for Unparalleled Ease of Management**

Zebra's Link-OS unique printer software platform makes it easier than ever to integrate, manage and maintain one printer, a group of specific printers or all printers anywhere in the world via the cloud. And a quick tap of an NFC-enabled mobile device on the ZD410 provides access to Zebra's extensive knowledge base of how-to videos and more for fast issue resolution.<sup>1</sup>

**Optional Battery for Cordless Operation**

With the removable desktop battery power option, you can easily transport the ZD410 printer on a workstation on wheels for on-the-spot label printing at patient bedside and in the lab to reduce opportunity for errors and improve patient safety. The battery housing mounts securely to the printer base and connecting the battery is as simple as snapping the battery into the housing. And the high-capacity battery can power it all for a full shift — the printer at maximum print speed, along with a peeler, cutter and keyboard.

**Backed by Zebra's Worldwide Service and Support**

Access repair support services, live-agent technical support and software support quickly anywhere around the globe through Zebra and its trusted network of more than 10,000 partners. Zebra OneCare™ provides enhanced coverage that exceeds standard warranty for normal wear and tear, priority repair turnaround times at the depot and more — all for a tiny fraction of the cost of a single repair.

# Specifications

# Markets and Applications

## Healthcare

- Prescription labels
- Patient record labels
- Lab and specimen labeling
- Patient ID wristbands

## Standard Features

- Direct Thermal print method
- IEC 60601-1 compliant power supply and healthcare wipeable plastics
- ZPL and EPL programming languages
- 5 status icon, 3 button user interface
- USB 2.0, USB Host
- OpenACCESS™ for easy media loading
- Dual-wall frame construction
- ENERGY STAR qualified
- ZebraDesigner Essentials – easy label design tool free at [www.zebra.com/zebradesigner](http://www.zebra.com/zebradesigner)
- Two-year standard warranty

## Physical Characteristics

Dimensions	8.6 in. L x 4.5 in. W x 6.0 in. H 220 mm L x 115 mm W x 151 mm H
Weight	2.2 lbs./1.0 kg

## Printer Specifications

Resolution	203 dpi/8 dots per mm Optional 300 dpi/12 dots per mm
Memory	512 MB Flash; 256 MB SDRAM
Maximum Print Width	2.2 in./56 mm for 203 dpi and 300 dpi
Maximum Print Speed	6 in./152 mm per second (203 dpi) 4 in./102 mm per second (300 dpi)
Media Sensors	Full width, moveable reflective/black mark sensor; multi-position transmissive/ gap sensor
Firmware	ZPL II; EPL 2; EPL Line Mode; XML; ZBI

## Media Characteristics

Maximum Label Length	39.0 in./991 mm
Maximum Label and Media Width	2.36 in./60 mm
Media Roll Size	5.00 in./127 mm outer diameter Core inner diameter: 0.5 in. (12.7 mm) and 1.0 in. (25.4 mm) standard, 1.5 in. (38.1 mm), 2.0 in., (50.8 mm) and 3.0 in. (76.2 mm) using optional adapters
Thickness	0.003 in. (0.08 mm) min. - 0.0075 (.1905 mm)
Media Types	Roll-fed or fan-fold, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, and wristbands

## Operating Characteristics

Operating Temperature	40° to 105° F/4.4° to 41° C
Storage Temperature	-40° to 140° F/-40° to 60° C
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing

## Options and Accessories

Media Handling	Field installable dispenser — label peel and present with label present sensor; field installable cutter
Communications	Field installable RS-232 auto-sensing Serial, DB-9; Factory installed or field installable Ethernet — 10/100 internal; factory installed wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1; Bluetooth Low Energy included as standard on network connected models
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options
Healthcare Model	Healthcare model with IEC 60601-1 compliant power supply and healthcare wipeable plastics
Real Time Clock	Real time clock included as standard on network connected models
Keyboard Display Unit	ZKDU keyboard display units for stand-alone printing solutions
Mounting Plate	Optional accessory to secure ZD Series printers to countertops or shelves

## Fonts/Graphics/Symbologies

Barcode Ratios	2:1 and 3:1
1D Barcodes	Code 11, Code 39, Code 93, Code 128, 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
2D Barcodes	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, MicroPDF, Aztec
Fonts and Graphics	16 resident expandable ZPL II bitmap fonts, two resident scalable ZPL fonts, five resident expandable EPL2 fonts, native open-type font support, Unicode compliant. China units include SimSun simplified Chinese font 64 MB user available non-volatile memory, 8 MB user available SDRAM

## Regulatory

IEC 60950-1, EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, FCC Class B, ICES-003, FCC 15.209; 15.247(d), IC RSS 247, EN 300 328, EN 301 893, EN 62311, cTUVus CE Marking, VCCI, C-Tick, S-Mark, CCC, CU, BSMI, KCC, SABS, IN-Metro, BIS, NOM
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## Environmental Compliance

Environment• RoHS Directive 2011/65/EU; Amendment 2015/863 • REACH SVHC 1907/2006 A complete list of product and materials compliance, please visit: <a href="http://www.zebra.com/environment">www.zebra.com/environment</a>
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## Print DNA

This printer is supported by our powerful Print DNA suite of applications, utilities and developer tools that give our printers better performance, simplified remote manageability, and easier integration. Print DNA features may vary by model and may require a Support Contract. For more information, please visit <a href="http://www.zebra.com/printdna">www.zebra.com/printdna</a>
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## Operating Characteristics

Electrical	Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz; ENERGY STAR qualified; optional 2750 mAh battery
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## Printer Supplies

Keep your Zebra printer up and running with genuine Zebra printer supplies, available directly from Zebra.

## Recommended Services

Zebra OneCare SV

## Footnotes

1. NFC Print Touch not available on all models.

## Product Warranty

ZD410-HC printers are warranted against defects in workmanship and materials for a period of 2 (two) years from the date of shipment. For the complete warranty statement, please visit: [www.zebra.com/warranty](http://www.zebra.com/warranty).



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