



# ZD420c-HC 4-Inch Thermal Transfer Printer

Healthcare ready printer with time-saving ribbon cartridge for foolproof loading

In the critical world of healthcare, you need a printer you can count on — this four-inch thermal transfer printer delivers. The ZD420c-HC’s innovative ribbon cartridge can be loaded in seconds, so nurses and lab technicians can stay focused on caring for patients, instead of wasting time trying to load a ribbon. Designed for healthcare, this printer offers a healthcare-compliant power supply and is ready for constant disinfecting. Optional 300 dpi printing ensures the tiniest labels are crisp and legible. The ZD420c-HC is easy to deploy and manage, offering virtually every modern wired and wireless connectivity option and support for many printer languages. You can monitor and manage all your ZD420c-HC printers from the cloud. And Zebra OneCare service maximizes printer availability with unmatched direct-from-Zebra support that covers virtually everything. The ZD420c-HC — when ease of use, flexibility and management simplicity matter.



### Groundbreaking Ease of Use

The ZD420c-HC is the only thermal printer to offer a ribbon cartridge, which takes just a few seconds to load, with fool-proof installation — the ribbon cartridge can only be loaded one way for first-time every-time instant loading. The crypto chip in the ribbon lets you know when the ribbon needs replacing. And with five intuitive status icons — status, pause, data, supplies and network — your workers can see at a glance what is needed to keep your Zebra printer up, running and available.

### Easy to Clean and Sanitize with a Healthcare Compliant Power Supply

Disinfectant-ready plastics and a sealed button interface make the ZD420c-HC 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. Get all the features you need today — and easily add the features you need tomorrow

### Get all the Features You Need Today — and Easily Add the Features You Need Tomorrow

The movable media sensor supports media with off-center black marks, die-cut notches or multiple labels across the width. The printer offers virtually every modern connectivity option, including USB, auto-sensing serial or 10/100 Ethernet, 802.11ac Wi-Fi, Bluetooth 4.1, plus simultaneous support for Wi-Fi and Ethernet. Easily add new communication or media handling options right on site, such as serial or Ethernet connectivity, a peeler and a cutter. 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 ZD420c-HC 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.



The ZD420c-HC — When ease of use, flexibility and management simplicity matter.  
For more information, visit [www.zebra.com/ZD420](http://www.zebra.com/ZD420)

**Optional Battery for Cordless Operation**

With the removable desktop battery power option, you can easily transport the ZD420c-HC 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.

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

With Link-OS, Zebra’s unique printer software platform, you can easily deploy and manage 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 ZD420c-HC provides access to Zebra’s extensive knowledge base of how-to videos and more for fast issue resolution.<sup>1</sup>

**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

## Standard Features

- Thermal Transfer 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
- Real Time Clock
- ZebraDesigner Essentials – easy label design tool free at [www.zebra.com/zebradesigner](http://www.zebra.com/zebradesigner)
- Two-year standard warranty

## Physical Characteristics

<b>Dimensions</b>	10.0 in. L x 8.0 in. W x 7.0 in. H 254 mm L x 202 mm W x 177 mm H
<b>Weight</b>	5.0 lbs./2.3 kg

## Printer Specifications

<b>Resolution</b>	203 dpi/8 dots per mm Optional 300 dpi/12 dots per mm Resolution can be factory installed or changed on site via accessory kits. Resolution can be changed from 300 dpi to 203 dpi, as well as from 203 dpi to 300 dpi.
<b>Memory</b>	512 MB Flash; 256 MB SDRAM
<b>Maximum Print Width</b>	4.09 in./104 mm for 203 dpi and 300 dpi
<b>Maximum Print Speed</b>	6 in./152 mm per second (203 dpi) 4 in./102 mm per second (300 dpi)
<b>Media Sensors</b>	Full width, moveable reflective/black mark sensor; multi-position transmissive/gap sensor
<b>Firmware</b>	ZPL II; EPL 2; XML; ZBI

## Media Characteristics

<b>Maximum Label Length</b>	39.0 in./991 mm
<b>Maximum Label and Media Width</b>	4.65 in./118 mm
<b>Media Roll Size</b>	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
<b>Thickness</b>	0.003" (0.08mm) min.; 0.0075 (1905mm) max. (tear-off mode only)
<b>Media Types</b>	Roll-fed or fan-fold, die cut or continuous with or without black mark, tag stock, continuous receipt paper, and wristbands

## Operating Characteristics

<b>Operating Temperature</b>	40° to 105° F/4.4° to 41° C
<b>Storage Temperature</b>	-40° to 140° F/-40° to 60° C
<b>Operating Humidity</b>	10% to 90% non-condensing
<b>Storage Humidity</b>	5% to 95% non-condensing
<b>Electrical</b>	Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz; ENERGY STAR qualified; optional 2750 mAh battery

## Options and Accessories

<b>Media Handling</b>	Field installable dispenser — label peel and present with label present sensor; field installable cutter
<b>Communications</b>	Field installable RS-232 auto-sensing Serial, DB-9 factory installed or field installable Ethernet — 10/100 internal; factory installed wireless radio: 802.11ac Wi-Fi and Bluetooth 4.1
<b>Battery</b>	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options
<b>Keyboard Display Unit</b>	ZKDU keyboard display units for stand-alone printing solutions
<b>Mounting Plate</b>	Optional accessory to secure ZD Series printers to countertops or shelves
<b>Enclosed Power Supply</b>	Attached power supply accessory for cord-free installation
<b>Carrying Case</b>	Carrying case with shoulder strap and handles makes it easy to bring your desktop printer and battery to the point of application

## Fonts/Graphics/Symbologies

<b>Barcode Ratios</b>	2:1 and 3:1
<b>1D Barcodes</b>	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
<b>2D Barcodes</b>	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, MicroPDF, Aztec
<b>Fonts and Graphics</b>	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

## Markets and Applications

### Healthcare

- Lab and specimen labels
- Asset labels
- Blood and IV bag labels
- Sterile services

## PRODUCT SPEC SHEET

### ZD420C-HC THERMAL TRANSFER PRINTER

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#### Printer Supplies

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

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#### 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: [www.zebra.com/environment](http://www.zebra.com/environment)

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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 [www.zebra.com/printdna](http://www.zebra.com/printdna)

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#### Recommended Services

Zebra OneCare SV

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#### Footnotes

1. NFC Print Touch not available on all models.

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#### Product Warranty

ZD420c-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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