



# ZD420c 4-Inch Thermal Transfer Printer

Unique and intelligent time-saving ribbon cartridge for fool-proof instant loading

If you need a fast 4-inch printer that is easy to use, easy to deploy and easy to manage, choose the leader of the class — the ZD420c. A new ribbon cartridge and more status icons maximize uptime by making using the printer easier than ever to use. With virtually every modern wired and wireless connectivity option and support for many printer languages, deployment is always fast and easy — just unplug your existing printer, plug in the ZD420c and you're back up and running. Add new connectivity and media handling options whenever you need them, right on site. Monitor and manage all your ZD420c printers from the cloud, for unsurpassed management simplicity. And our optional Zebra OneCare service maximizes the availability of your ZD420c printers with unmatched direct-from-Zebra support that covers everything — from worn out printheads to normal wear and tear. The ZD420c — when ease of use, flexibility and management simplicity matter.



### Groundbreaking ease of use

The ZD420c is loaded with features that make it the easiest printer to use in its class. The ZD420c is the only thermal printer to offer a ribbon cartridge that takes just a few seconds to load, with fool-proof one way 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 to do to keep the ZD420c up, running and available.

### 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 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 clean and sanitize healthcare model

Disinfectant-ready plastics and a sealed button interface make the ZD420c-HC easy to clean and disinfect — crucial in hospitals and clinics. The printer fits easily in space constrained pharmacies, labs and nurses stations. And a 300 dpi printing option ensures that even the small labels on specimen containers and prescriptions are highly legible.



The ZD420c — 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**

The removable desktop battery power option makes it easy to transport the ZD420c printer on a cart for on-the-spot printing, reducing steps, increasing productivity and improving task accuracy. 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 ZD420 provides access to Zebra's extensive knowledge base of how-to videos and more for fast issue resolution.<sup>1</sup>

# ZD420c Specifications Chart

Standard Features	
<ul style="list-style-type: none"> <li>• Thermal Transfer print method</li> <li>• ZPL and EPL programming languages</li> <li>• 5 status icon, 3 button user interface</li> <li>• USB 2.0, USB Host</li> <li>• OpenACCESS™ for easy media loading</li> <li>• Dual-wall frame construction</li> <li>• ENERGY STAR qualified</li> <li>• Real Time Clock</li> </ul>	
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), 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

Printer Supplies	
Keep your Zebra printer up and running with genuine Zebra printer supplies, available directly from Zebra.	
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
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
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	
Environmental Compliance	
<b>Environment</b> <ul style="list-style-type: none"> <li>• RoHS Directive 2011/65/EU; Amendment 2015/863</li> <li>• REACH SVHC 1907/2006</li> </ul> A complete list of product and materials compliance, please visit: <a href="http://www.zebra.com/environment">www.zebra.com/environment</a>	

## The ZD420c is ideal in:

### Light Manufacturing

- Agency labels/ nameplates
- Product labels
- Apparel tags

### Transportation & Logistics

- Asset labels

### Healthcare

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

### Retail

- Asset labels
- Shelf labels
- Record labels

### Government

- Asset labels
- Record labels

### Services

- Service reminder

## PRODUCT SPEC SHEET

ZD420C THERMAL TRANSFER PRINTER WITH RIBBON CARTRIDGE

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### Print DNA

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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

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Zebra OneCare Select

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1. NFC Print Touch not available on all models.



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