



# ZD420 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 ZD420. 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 ZD420 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 ZD420 printers from the cloud, for unsurpassed management simplicity. And our optional Zebra OneCare service will help you maximize the availability and productivity of your ZD420 printers with unmatched from-the-manufacturer support that covers everything — from worn out printheads to normal wear and tear. The ZD420 — when ease of use, flexibility and management simplicity matter.



## Groundbreaking Ease of Use

### New At-A-Glance Five Led Icons Take the Guesswork Out of Printer Status

The ZD420 is loaded with features that make it the easiest printer to use in its class. The ZD420 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.

### Get All the Features You Need Today — And Easily Add the Features You Need Tomorrow

The movable media sensor gives you more media options, including media with off-center black marks, die-cut notches or multiple labels across the width.

With virtually every modern connectivity option, the ZD420 fits into your technology environment now and in the future. Choose from USB, auto-sensing serial or 10/100 Ethernet, as well as the very latest wireless options: Wi-Fi certified 802.11ac WLAN and Bluetooth 4.1. And you can support wired and wireless users simultaneously.

### Easy to Clean and Sanitize Healthcare Model

The ZD420 is available in a healthcare model with disinfectant-ready plastics and a sealed button interface that makes it easy to clean and disinfect— crucial in hospitals and clinics. The ZD420 fits easily in space constrained pharmacies, labs and nurses stations. And with its 300 dpi printing option, even the small labels on specimen containers and prescriptions are highly legible.

### Link-OS for Unparalleled Ease of Management

The ZD420 supports Zebra's Link-OS, a unique software platform that makes it easier than ever to integrate, manage and maintain your printers, from any location. With this innovative highly flexible solution, you can manage one printer, a group of specific printers or all printers anywhere in the world via the cloud. And with a quick tap of an NF C-enabled mobile device on the ZD420, you can access Zebra's extensive knowledge base of how-to videos and more.



The ZD420 — When ease of use, flexibility and management simplicity matter.  
For more information, please visit [www.zebra.com/zd420](http://www.zebra.com/zd420).

**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
- ZPL and EPL programming languages
- 5 status icon, 3 button user interface
- USB 2.0, USB Host
- Bluetooth low energy
- OpenACCESS™ for easy media loading
- Dual-wall frame construction
- ENER GY 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>Dimension</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>Operating System</b>	Link-OS®
<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>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>Media Thickness</b>	0.003 in. (0.08 mm) min.; 0.0075 in. (0.1905 mm) max.
<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 Temp.</b>	40° to 105° F/4.4° to 41° C
<b>Storage Temp.</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; ENER GY STAR qualified

## Markets and Applications

### 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 labels

**PRODUCT SPEC SHEET****ZD420 THERMAL TRANSFER PRINTER**

<b>Options and Accessories</b>	
<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; Ethernet – 10/100 internal; factory installed wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1
<b>Healthcare Model</b>	Healthcare model with IE C 60601-1 compliant power supply and healthcare wipeable plastics
<b>Keyboard Display Unit</b>	ZKDU keyboard display units for stand-alone printing solutions
<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
<b>Fonts/Graphics/Symbologies</b>	
<b>Bar Code Ratios</b>	2:1 and 3:1
<b>1D Bar Codes</b>	Code 11, Code 39, Code 93, Code 128, IS BT-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 Bar Codes</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 for multi-language, on demand thermal printing China units include SimSun simplified Chinese font 64 MB user available non-volatile memory, 8 MB user available SDRAM

<b>Printers Supplies</b>	
For industry-leading quality, service and thermal printing expertise, choose Zebra Certified Supplies to ensure consistent, optimized performance for your Zebra printer.	
<b>Regulatory</b>	
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	
<b>Recommended Services</b>	
Zebra OneCare SV	
<b>Print DNA Software</b>	
This printer is supported by a core set of Print DNA applications.	
<b>Software Tools</b>	
<b>Link-OS: Document Design</b>	Quickly design a customized print solution using your business data and Zebra's intuitive, plug-and-print design tools
<b>Device Integration</b>	Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems
<b>Device Management</b>	Manage your print operations locally and globally with Zebra's suite of device management tools
<b>Developer Tools</b>	Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more.
<b>Product Warranty</b>	
ZD420 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: <a href="http://www.zebra.com/warranty">www.zebra.com/warranty</a> .	



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