



# ZD420-HC Thermal Transfer Printer

## HEALTHCARE READY 4-INCH PRINTER WITH INTELLIGENT TIME-SAVING RIBBON CARTRIDGE FOR FOOLPROOF LOADING

In the critical healthcare environment, speed and accuracy are paramount. The ZD420-HC four-inch thermal transfer printer maximizes printer productivity and uptime. With an innovative ribbon cartridge that can be loaded in seconds, nurses and lab technicians can stay focused on caring for patients, instead of wasting time trying to load the standard ribbon roll. Designed for healthcare, this printer is ready for the constant disinfecting and offers a healthcare-compliant power supply. With its optional 300 dpi printing, the tiniest labels are crisp and legible. The ZD420-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 ZD420-HC printers from the cloud. And Zebra OneCare service maximizes the availability and productivity of your ZD420-HC printers with unmatched from-the-manufacturer support that covers everything — from worn out printheads to normal wear and tear. The ZD420-HC — when ease of use, flexibility and management simplicity matter.



### Groundbreaking ease of use

The ZD420-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 ZD420-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

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-HC 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: 802.11ac Wi-Fi and Bluetooth 4.1. And the ZD420-HC supports concurrent Wi-Fi and Ethernet connectivity.

If you need new communication or media handling options in the future, no problem. Add serial or Ethernet connectivity, plus a peeler and a cutter, right on site — without

taking the ZD420-HC out of service. The result? Maximum functionality and uptime.

The ZD420-HC offers backwards compatibility with existing applications and formats, plus support for Zebra ZPL and EPL printer languages and many non-Zebra languages, making it easy to upgrade your aging Zebra or competitive printers — just plug in the ZD420-HC and you're back up and running.

### Link-OS for unparalleled ease of management

The ZD420-HC 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 NFC-enabled mobile device on the ZD420-HC, you can access Zebra's extensive knowledge base of how-to videos and more, making it easy to obtain the information needed to quickly resolve everyday printer issues.



**THE ZD420-HC — WHEN EASE OF USE, FLEXIBILITY AND MANAGEMENT SIMPLICITY MATTER.**

FOR MORE INFORMATION, VISIT [WWW.ZEBRA.COM/ZD420](http://WWW.ZEBRA.COM/ZD420) OR  
OUR GLOBAL CONTACT DIRECTORY AT [WWW.ZEBRA.COM/CONTACT](http://WWW.ZEBRA.COM/CONTACT)

**SPECIFICATION SHEET**

ZD420-HC THERMAL TRANSFER PRINTER

# ZD420-HC Specifications Chart

| 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   |  |
| Bluetooth low energy  |  |
| OpenACCESS™ for easy media loading                                  |  |
| Dual-wall frame construction  |  |
| ENERGY STAR qualified   |  |
| Real Time Clock   |  |
| PHYSICAL CHARACTERISTICS  |  |
| <b>Dimensions</b>   | 10.0 in. L x 8.0 in. W x 7.0 in. H<br>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<br>Optional 300 dpi/12 dots per mm<br>Resolution can be factory installed or changed on site via accessory kits.<br>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>Max. Print Width</b>   | 4.09 in./104 mm for 203 dpi and 300 dpi  |
| <b>Max. Print Speed</b>   | 6 in./152 mm per second (203 dpi)<br>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; EPL Line Mode; 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<br>Core inner diameter: 0.5 in. (12.7mm) and 1.0 in. (25.4mm) standard, 1.5 in. (38.1), 2.0 in. (50.8mm) and 3.0 in. (76.2mm) 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 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; ENERGY STAR qualified   |

| 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; Ethernet – 10/100 internal; factory installed wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1  |
| <b>Keyboard Display Unit</b>  | ZKDU keyboard display units for stand-alone printing solutions   |
| 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<br>Two resident scalable ZPL fonts<br>Five resident expandable EPL2 fonts<br>Native open-type font support<br>Unicode compliant for multi-language, on demand thermal printing<br>China units include SimSun simplified Chinese font<br>64 MB user available non-volatile memory, 8 MB user available SDRAM |
| PRINTER SUPPLIES  |  |
| Keep your Zebra printer up and running with genuine Zebra printer supplies, available directly from Zebra.  |  |
| REGULATORY  |  |
| <ul style="list-style-type: none"> <li>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</li> <li>CE Marking, VCCI, C-Tick, S-Mark, CCC, CU, BSMI, KCC, SABS, IN-Metro, BIS, NOM</li> </ul>   |  |
| SOFTWARE TOOLS  |  |
| <ul style="list-style-type: none"> <li><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.</li> <li><b>Device Integration:</b> Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems.</li> <li><b>Device Management:</b> Manage your print operations locally and globally with Zebra's suite of device management tools.</li> <li><b>Developer Tools:</b> Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more.</li> </ul> |  |
| RECOMMENDED SERVICES  |  |
| Zebra OneCare Select  |  |

**The ZD420-HC is ideal for many healthcare applications, including:**

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



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