

ZD420c 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

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.¹

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

Standard Features

- Thermal Transfer printing method
- 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
- Two-year standard warranty

Physical Characteristics

Dimensions	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
Weight	5.0 lbs./2.3 kg

Printer Specifications

Resolution	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.
Memory	512 MB Flash; 256 MB SDRAM
Maximum Print Width	4.09 in./104 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; XML; ZBI

Media Characteristics

Maximum Label Length	39.0 in./991 mm
Maximum Label and Media Width	4.65 in./118 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. (38.1mm), 2.0 in., (50.8 mm) and 3.0 in. (76.2 mm) using optional adapters
Thickness	0.003" (0.08mm) min.; 0.0075 (.1905mm) max. (tear-off mode only)
Media Types	Roll-fed or fan-fold, die cut or continuous 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

Printer Supplies

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

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 radio: 802.11ac Wi-Fi and Bluetooth 4.1
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options
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
Enclosed Power Supply	Attached power supply accessory for cord-free installation
Carrying Case	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

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

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

Light Manufacturing

- Agency labels/nameplates
- Product labels
- Apparel tags

Transportation and 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

Operating Characteristics

Storage Humidity	5% to 95% non-condensing
Electrical	Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz; ENERGY STAR qualified; optional 2750 mAh battery

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

Recommended Services

Zebra OneCare SV

Footnotes

1. NFC Print Touch not available on all models.

Product Warranty

ZD420c 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.



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