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 that maximize uptime by making using the printer easier than ever. 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

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.

If you need new communication or media handling options in the future, no problem. Add serial or Ethernet connectivity, plus a peeler or a cutter, right on site — without taking the ZD420 out of service. The result? Maximum functionality and uptime.

The ZD420 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 and you're back up and running.

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 NFC-enabled mobile device on the ZD420, 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 — WHEN EASE OF USE, FLEXIBILITY AND MANAGEMENT SIMPLICITY MATTER.

FOR MORE INFORMATION, VISIT **WWW.ZEBRA.COM/ZD420** OR
OUR GLOBAL CONTACT DIRECTORY AT **WWW.ZEBRA.COM/CONTACT**

ZD420 Specifications Chart

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
ENERGY STAR qualified
Real Time Clock

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. (38.1), 2.0 in., (50.8 mm) and 3.0 in. (76.2 mm) using optional adapters
Thickness	0.003 in./0.08 mm - 0.012 in./0.305 mm (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 Temp.	40° to 105° F/4.4° to 41° C
Storage Temp.	-40° to 140° F/-40° to 60° C
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Electrical	Auto-detectable (PFC Compliant) 90-265VAC, 50-60Hz; ENERGY STAR qualified

OPTIONS AND ACCESSORIES

Media Handling	Field installable dispenser – label peel and present with label present sensor; field installable cutter

OPTIONS AND ACCESSORIES (CONTINUED)

Communications	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
Healthcare Model	Healthcare model with IEC 60601-1 compliant power supply and healthcare wipeable plastics
Keyboard Display Unit	ZKDU keyboard display units for stand-alone printing solutions

FONTS/GRAPHICS/SYMBOLOGIES

Bar Code Ratios	2:1 and 3:1
1D Bar Codes	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 Bar Codes	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 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

PRINTER SUPPLIES

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

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

SOFTWARE TOOLS

- **Link-OS: Document Design:** Quickly design a customized print solution using your business data and Zebra's intuitive, plug-and-print design tools.

- **Device Integration:** Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems.

- **Device Management:** Manage your print operations locally and globally with Zebra's suite of device management tools.

- **Developer Tools:** Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more.

RECOMMENDED SERVICES

Zebra OneCare Select

The ZD420 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 labels

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