ZD411-HC 2-inch Desktop Printer

Expect more with Zebra's advanced, compact desktop printer, made for healthcare

Elevate your expectations with the reliable compact healthcare printer that's designed exclusively for healthcare. Zebra's ZD411-HC includes all the advanced features you need and is built to last for years to come. It's built with disinfectant-ready, UV-resistant plastics and a medical-grade power supply for added safety. Including a new architecture and our exclusive Print DNA software suite, it offers enhanced processing power, unmatched security and intuitive setup and operation. Add capabilities with field-installable options, including wireless capabilities. An extension of the proven ZD400 Series, it's ready to perform flawlessly for years to come.



It's Time to Advance

Powerful Printing with Intuitive Operation
Technology is constantly evolving, and so are your business needs. The ZD411-HC is ready to grow with you. Incorporating a powerful new processor, you can run more tasks and perform more operations simultaneously. Advanced features and connectivity options, including field-upgradeable media handling and wireless kits, make it stand apart. The ZD411-HC has five LED icons that allow you to instantly see what's needed to keep your printer up and running, from replenishing media to resolving printer issues. The advanced three-button user interface replaces the typical single-button/single-light interface common in desktop printers.

Advance Your Healthcare Workflows

Easy to Clean, Sanitize and Safely Power
Disinfectant-ready plastics, UV-resistant housing and a sealed-button interface make the ZD411-HC printer easy to clean and sanitize, which helps prevent the spread of infections in hospitals and clinics. The medical-grade power supply is IEC 60601-1 compliant for use in any healthcare facility.

Simple to Setup, Use and Manage Today

Ready to Evolve for Tomorrow
Featuring Zebra's Print DNA software suite, the ZD411-HC is easy to integrate, simple to operate and can be managed onsite or remotely via a web-based dashboard. It's designed to evolve with technology with its innovative architecture that powers future printing and emerging applications to keep your workflows at peak performance.

Change Media Easily
Color-coded touch points guide you through speedy media changes to keep printers operational and workers on task. See status easily via the five LED icons on the intuitive display.

Direct Thermal Technology That's Ideal for Healthcare Applications

Matches Your Use Cases
Zebra's innovative direct thermal printer is ideal for a wide range of healthcare-specific use cases including specimen collection, prescription and asset labeling, and wristband printing. This technology eliminates the need to destroy carbon copies, making privacy and compliance easy.

Smart Design for Smarter Operations

Backwards Compatible with Virtually Any Existing Printer
Integrate your ZD411-HC into your existing printer fleets seamlessly. Continue to use the same label formats and applications you're using today. It supports EPL and ZPL printer languages and can emulate other languages associated with other printer brands using Zebra's Print DNA Printer Emulations.

Communication to Connect Your Way
The ZD411-HC can connect to your existing wired and wireless networks, or directly to any PC. Every ZD411-HC comes standard with USB and USB Host, and offers optional Ethernet, Serial and dual wireless radio with fast 802.11ac Wi-Fi and Bluetooth™ 4.1. Print from any Windows®, Android™ or iOS device. Set up the ZD411-HC easily with Zebra's printer setup mobile app using Bluetooth Low Energy (BLE). The included Print Touch tag (NFC) allows you to simply tap to pair and print.

Movable Sensor Means More Flexibility
The ZD411-HC's movable media sensor allows for almost any media use, which means greater flexibility across a variety of applications.

Added Flexibility to Print Almost Anywhere

The incredibly small footprint of the ZD411-HC is designed to fit in virtually any workspace. In addition, easily transport it on a cart with the optional battery to print on the spot and increase accuracy and productivity. Power through a full shift with the high-capacity battery.

Print DNA Software Suite, Your Built-in Advantage

Confident and Secure Printing are Yours
Zebra's exclusive Print DNA software suite will keep your printer running flawlessly and securely. Print consistently and without interruption with a solution that's fully integrated and interoperable, and ready to evolve with your business needs.

Update, Troubleshoot and Monitor, All from a Single Location
With Zebra's Printer Profile Manager Enterprise, part of Print DNA, you can easily manage, secure and troubleshoot your networked printers from one remote location anywhere in the world.

Unmatched Printing Security
Get unparalleled peace-of-mind and protect yourself from cyberattacks with Zebra's PrintSecure, part of Print DNA. Easily configure your printers with secure connections, identify vulnerabilities, block unauthorized access and more.

Explore Managed Print Services (MPS) with Assurance

Zebra's Thermal Printers with Print DNA Make MPS Easy
Looking to gain control and visibility of your printer fleets with MPS? With the Print DNA software suite, your Zebra MPS provider can remotely manage and optimize your printers, track and automate supplies replenishment and ensure security. Visit www.zebra.com/managed-print-services for more information.

Supplies, Services and Support

Certified Supplies by Zebra
Printing supplies provide a digital voice for assets across your supply chain. You rely on them to disseminate critical data throughout your organization. If something goes wrong with your printing supplies, operations are interrupted, productivity suffers and costs rise. That's why we design, produce and rigorously pretest our own line of labels, tags and receipt paper to ensure consistent, optimized performance in your Zebra printer. For industry-leading quality, service and expertise, choose Zebra Certified Supplies.

Backed by Zebra's Worldwide Service and Support
Access repair support services anywhere around the globe through Zebra and its trusted network of more than 10,000 partners. Zebra OneCare™ Maintenance Plans provide enhanced coverage that exceeds standard warranty. Get increased protection with the ZD411-HC's standard two-year warranty. Visit www.zebra.com/warranty for more information.

Specifications

Healthcare Features

- Healthcare preferred white color scheme
- Healthcare compliant power supply, IEC 60601-1 certified
- Disinfectant-ready, easy-to-clean plastics with sealed button interface
- UV-resistant housing supports UV cleaning protocols

Standard Features

- Print methods: Direct Thermal
- ZPL and EPL programming languages
- 5 status icon, 3 button user interface
- USB 2.0, USB Host
- Printer setup mobile app for Android & iOS via BLE (Bluetooth Low Energy 5) connection*
  * BLE is provided for use with Zebra printer setup mobile app only
- Real Time Clock (RTC)
- OpenACCESS™ for easy media loading
- Dual-wall frame construction
- ENERGY STAR® certified
- ZebraDesigner Essentials – easy label design tool free at www.zebra.com/zebradesigner
- PDF Direct
- Two-year standard warranty

Physical Characteristics

ZD411d-HC	
Length	8.6 in./220 mm
Width	4.5 in./115 mm
Height	6.0 in./151 mm
Weight	2.2 lb./1.0 kg

Printer Specifications

Operating System	Link-OS® printer operating system
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
Memory	512 MB Flash; 256MB DDR3 SDRAM
Maximum Print Width	2.2 in./56 mm for 203 dpi 2.13 in./54 mm for 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; PDF Direct

Media Characteristics

Label Length	Minimum: 0.25 in./6.35 mm Maximum: 39.0 in./991 mm
Media Width	Minimum: 0.585 in./15 mm Maximum: 2.25 in./57 mm
Media Roll Size	Maximum outer diameter: 5.00 in./127 mm 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
Media Thickness	0.003 in./0.08 mm min.; 0.0075 in./0.1905 mm max.
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) 100-240VAC, 50-60Hz; ENERGY STAR certified; Energy Efficiency Level VI certified; optional 2750 mAh battery; Healthcare models include IEC60601-1 certified power supply

Options and Accessories

Media Handling	Dispenser/Peeler: label peel and present with label present sensor (factory installed or field installable) Cutter (field installable)
Communications	Field installable Ethernet 10/100, Serial RS-232 auto-sensing, wireless dual radio – 802.11ac Wi-Fi and Bluetooth Classic 4.2
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options
Real Time Clock	Real time clock included as standard on network connected models
Keyboard Display Unit	ZKDU keyboard display units for stand-alone printing solutions
Mounting Adapter Bracket	Enable printer to be mounted in same location as LP2824 Plus printer

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

Markets and Applications

Healthcare

- Specimen collection
- Prescription labels
- Lab management
- Patient ID wristband
- Asset labeling
- Patient records

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

Printers Supplies

For industry-leading quality, service and thermal printing expertise, choose Zebra Certified Supplies to ensure consistent, optimized performance for your Zebra printer.

Regulatory

IEC 60950-1, IEC 62368-1, EN55022 Class B, EN55024, EN55035, 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
For a complete list of product and materials compliance, please visit: www.zebra.com/environment

Print DNA Software

Print DNA is a suite of software that enables Zebra printers to deliver a full life cycle of exceptional experiences for every kind of user through built-in applications, utilities and tools to get your printer up and running quickly and securely. For more information, please visit www.zebra.com/printdna

Included In The Box

Printer, AC power supply, power cord(s), USB cable, Quick Start Guide, Regulatory Guide

Recommended Services

Zebra OneCare™ maintenance plans provide peak performance and device uptime while protecting your critical operations and your printers with defined service levels. For more information go to www.zebra.com/zebraonecare

Zebra OneCare Select	Comprehensive Coverage, including printheads, normal wear and accidental breakage Priority access 24x7 live technical support and software updates Advance Replacement and Express Shipping (Next Day Device Replacement) Standard Commissioning Online Return Material Authorization (RMA) support
Zebra OneCare Essential	Comprehensive Coverage, including printheads, normal wear and accidental breakage Priority access 8x5 live technical support and software updates Three-day depot repair turnaround time plus free return ground shipping Online Return Material Authorization (RMA) support

Note: Service availability may vary by region.

Product Warranty

ZD411 healthcare 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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