ZD411 2-inch Desktop Printers

Elevate your expectations with the advanced, compact printers, built for enduring performance

Your operations demand reliable printing. You need enhanced features, security, next-generation technology and management capabilities to help you work smarter and achieve more. Get it all with Zebra's compact, 2-inch ZD411 desktop printers, designed to fit almost anywhere. Featuring a new architecture and our exclusive Print DNA software suite, they offer enhanced processing power, unmatched security and intuitive setup and operation. Change media quickly with the new media handling design and add capabilities with field-installable options. Connect your way and incorporate wireless capabilities with the optional kit. An extension of the proven ZD400 Series, they're 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. Printers support ZD411 printers are 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 them stand apart. ZD411 printers have five LED icons that allow you to instantly see what's needed to keep your printers 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.

Simple to Setup, Use and Manage Today

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

Change Media Easily
Color-coded touch points and a new media-handling design guide you through speedy media changes to keep printers operational and workers on task. Replace ribbon intuitively and quickly with less mess, hassle and training time – and fewer calls into IT.

Multiple Models to Match Your Needs

Flexibility for Nearly Every Use Case
Available in direct thermal, thermal transfer and healthcare models, ZD411 printers support supports nearly any 2-inch printing application.

Smart Design for Smarter Operations

Backwards Compatible with Virtually any Existing Printer
Integrate your ZD411 into your existing printer fleet seamlessly. Continue to use the same label formats and applications you're using today. These printers support 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
ZD411 printers can connect to your existing wired and wireless networks, or directly to any PC. Every ZD411 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 your ZD411 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.

Moveable Sensor Means More Flexibility
The ZD411's moveable 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 printers is designed to fit in virtually any workspace. In addition, easily transport them 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's standard two-year warranty. Visit www.zebra.com/warranty for more information.

Specifications

Standard Features

- Print methods: Thermal Transfer or 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	ZD411t
Length	8.6 in./220 mm	9.56 in./242.9 mm
Width	4.5 in./115 mm	5.46 in./138.7 mm
Height	6.0 in./151 mm	6.66 in./169.2 mm
Weight	2.2 lb./1.0 kg	3.59 lb./1.629 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 and Ribbon 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	0.0024 in./0.06 mm min; 0.0075 in./0.1905 mm 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
Ribbon Outside Diameter	1.34 in./34 mm (74 m)
Ribbon Standard Length	243 ft./74 m
Ribbon Ratio	1:1 ribbon to media
Ribbon Width	1.3 in./33 mm - 2.24 in./58 mm
Ribbon Core I.D.	0.5 in./12.7 mm

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

Healthcare	Our healthcare direct thermal model includes white color scheme, healthcare-compliant power supply, disinfectant-ready, easy-to-clean plastics and sealed button interface, and UV-resistant housing
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 4.1
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 unit for stand-alone printing solution
Mounting Adapter Bracket	Enable printer to be mounted in same location as LP/TLP2824 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
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

Markets and Applications

Retail
- Shelf label
- Price markdown
- Pharmacy label
- Information label
- Food safety label
- Receipts
- Deli label

Hospitality
- Auto service reminder
- Ticketing
- Event wristbands
- Kiosks

Healthcare
- Specimen collection
- Prescription labeling
- Lab management
- Patient ID wristband
- Assets label
- Patient records

Government
- Document tracking
- Evidence tracking
- Agency label
- Product label

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 lifecycle 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, empty ribbon take-up core - thermal transfer model (0.5 in.), 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 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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