ZD611 2-inch Desktop Printers

Invest in the best: premium features, maximum performance and unmatched security for years of quality printing

You need a premium, compact printer that's feature-rich and built to perform flawlessly – day in and day out. Don't compromise. Get it all with Zebra's ZD611 desktop printers, featuring an innovative new architecture to power our ever-expanding printer capabilities and software. They offer unmatched security that's constantly evolving to safeguard your sensitive data and shield you from cyberattacks. And, add enhanced features, connectivity and media-handling options whenever you're ready. The full-color LCD touch display with intuitive menu – standard on all thermal transfer models – and increased remote-management capabilities make ZD611 printers easy to use. Together, these give you outstanding print performance, years of optimal use, industry-leading reliability and unparalleled intelligence and security.



Your Future Printing Starts Here

Technology for Today, Innovation for Tomorrow
Technology is constantly advancing and so will ZD611 printers. They're engineered to power future printing at the highest level with an innovative architecture that can perform more operations simultaneously and evolve with emerging technology.

Expect the Best

Premium Printing Performance
Rely on the ZD611 to help you power through – day after day. From outstanding print quality to portability for application flexibility to emerging technology to field-installable options, the ZD611 stands apart. Available in direct thermal, thermal transfer, linerless, healthcare and RFID models, the ZD611 supports a wide variety of use cases.

Simple to Setup, Easy to Maintain

Operate with Ease, Securely
Backed by Zebra's innovative Print DNA software suite, ZD611 printers are incredibly simple to operate. Deploy them anywhere with setup tools, wizards and emulation capabilities. The intuitive user interface is easy to use with minimal training and allows you to see status at a glance with the five LED icons. Take advantage of robust remote management capabilities that alleviate IT burdens. And, built-in security hardens your infrastructure from cyberattacks.

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

Engineered for Outstanding Print Quality
Like Zebra's industrial printers, the ZD611 thermal transfer printer includes a media dancer to ensure maximum quality on every label and tag, regardless of print speed. Further boost print quality with the optional 300 dpi print resolution.

See Printer Status in Color and Change Settings with a Touch
Navigate easy-to-use menus and step-by-step wizards at a touch on the 4.3-inch, full-color LCD touch display, standard on the thermal transfer models. See status at a glance in color and troubleshoot with animations on the spot. The printers also feature media-loading and calibration guidance, and support stand-alone printing applications. Zebra touch displays are expertly designed and tested for toughness and reliability consistent with Zebra's printer portfolio, including robust tolerance to temperature, humidity, dust and other environmental challenges.

Hassle-Free Integration

Backwards Compatible with Virtually Any Existing Thermal Printer
Integrate ZD611 printers into your existing fleet seamlessly. Continue to use the same label formats and applications you're using today. They support EPL and ZPL printer languages and can emulate other languages associated with other brands using Zebra's Print DNA Printer Emulations.

Comprehensive Communication to Connect Your Way
ZD611 printers can connect to your existing wired and wireless networks, or directly to any PC. Every ZD611 comes standard with Ethernet, USB 2.0 and USB Host, or add optional Serial or dual wireless radio with fast 802.11ac Wi-Fi and Bluetooth 4.1. Print from any Windows®, Android™ or iOS device, and integrate your ZD611 with Zebra's printer setup mobile app using Bluetooth Low Energy (BLE). And with the included Print Touch tag (NFC), you can simply tap a compatible mobile device on a ZD611 to pair and print—as well as instantly access Zebra's extensive knowledge base of how-to videos.

Innovative Features that Work for You

Add Mobility for On-the-spot Printing
Easily transport your ZD611 printer on a cart using the battery option. Print where you work to reduce steps and increase accuracy. Power through a full shift with the high-capacity battery.

Moveable Sensor Means More Flexibility
The ZD611's movable media sensor allows for almost any media use, which means greater flexibility across a variety of use cases.

Print DNA Software Suite, Your Built-in Advantage

Confident and Secure Printing, Without the Hassle
Zebra's exclusive Print DNA software suite will get your printer up and running quickly 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 Print DNA printers from one remote location anywhere in the world.

Unmatched Printing Security
Get unparalleled peace-of-mind security 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? Our printers are engineered for durability, and they offer innovative remote management, analytics and security capabilities that make them the obvious choice for 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, Service and Support

Zebra Certified Supplies
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. Optional linerless configurations eliminate waste and deliver more labels per roll for fewer roll changes. For industry-leading quality, service and thermal printing 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 ZD611'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
- 4.3" full color touch LCD (resolution: 480 wide x 272 high) with 3-button user interface (thermal transfer and RFID models)
- 5 status icon, 3 button user interface (direct thermal model)
- Ethernet, USB 2.0, USB Host
- Printer setup mobile app for Android & iOS via BLE (Bluetooth Low Energy 5) connection*
  * BLE is intended for use with Zebra printer setup mobile app only
- Real Time Clock (RTC)
- Media dancer for excellent print quality (thermal transfer models)
- 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

	ZD611d	ZD611t
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	2.36 lb./1.07 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	8 in./203 mm per second (203 dpi) 6 in./152 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 mm, 2.0 in./50.8 mm and 3.0 in./76.2 mm using optional adapters
Media Thickness	0.024 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

Media and Ribbon Characteristics (Cont.)

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	Available in direct thermal and thermal transfer, our healthcare models include white color scheme, healthcare-compliant power supply, disinfectant-ready, easy-to-clean plastics and sealed button interface, and UV-resistant housing
RFID	Available in RFID, supports UHF EPC Gen 2 and RAIN RFID protocols, uses Adaptive Encoding Technology and Zebra's RE40 RFID Reader/Encoder
Linerless	Linerless option with cutter - direct thermal model only
Media Handling	Dispenser/Peeler: label peel and present with label present sensor (factory installed or field installable) Cutter (factory or field installable)
Communications	Field installable RS-232 auto-sensing Serial; Factory installed or field installable 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 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 labels
- 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

ZD611 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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