



# ZD621 4-inch Desktop Printers

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

You need a premium, quality printer that's built to perform flawlessly – day in and day out. Rely on Zebra's ZD621 desktop printers, advancing the proven and popular GX Series printers. Don't compromise. Get it all: an innovative new architecture to power our ever-expanding printer capabilities and software. Unmatched security that's constantly evolving to safeguard your sensitive data and shield you from cyberattacks. Enhanced features, communication and media-handling options that you can add whenever you're ready. An optional full-color LCD touch display with intuitive menu. And, increased remote-management capabilities. Together, these give you outstanding print performance, years of optimal use, industry-leading reliability and unparalleled intelligence and security. Everything you need in a printer to keep your workflows fluid and business moving forward.



## Elevating a Proven Winner

### Extending the G-Series Legacy

Zebra's GX Series printers are known for quality and premium performance. As you select your next printer, you can be confident that the next-generation ZD621 includes everything you loved in those legacy printers, and builds on this heritage to deliver best-in-class features for this new era of intelligence and forward adaptability.

## Expect the Best

### Premier Printing Performance

Rely on the ZD621 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 ZD621 stands apart. Available in direct thermal, thermal transfer, healthcare and RFID models, the ZD621 supports a wide variety of use cases.

## Operate with Ease

### Simple to Deploy, Use, Manage and Secure

Backed by Zebra's innovative Print DNA software suite, the ZD621 is incredibly simple to operate. Deploy it 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.

## Put it to Work for Years

### Designed to Perform Today and Tomorrow

Technology is constantly advancing. So can your ZD621. Featuring an innovative architecture, it's engineered to power future printing. In comparison, it's 30% more powerful than the ZD620 Series and nearly 300% more than the GX Series. This gives you the ability to run more tasks, perform more operations simultaneously, maintain security and be ready for what's next.



**The ZD621 — Premium print quality, features and reliability.  
Ready for today and tomorrow.  
For more information, please visit [www.zebra.com/zd621](http://www.zebra.com/zd621).**

**PRODUCT SPEC SHEET**

ZD621 4-INCH DESKTOP PRINTERS

# Specifications

## Standard Features

- Print methods: Thermal Transfer or Direct Thermal
- ZPL and EPL programming languages
- 5 status icon, 3 button user interface
- Ethernet, Serial, 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
- OpenACCESS™ for easy media loading
- Dual-wall frame construction
- ENERGY STAR® certified
- ZebraDesigner Essentials – easy label design tool free at [www.zebra.com/zebradesigner](http://www.zebra.com/zebradesigner)
- PDF Direct
- Two-year standard warranty

## Physical Characteristics

<b>Dimension</b>	<b>Direct Thermal:</b> 8.7 in. L x 7.0 in. W x 5.9 in. H 221 mm L x 177 mm W x 151 mm H <b>Thermal Transfer:</b> 10.5 in. L x 8.0 in. W x 7.5 in. H 267 mm L x 202 mm W x 192 mm H
<b>Weight</b>	<b>Direct Thermal:</b> 3.6 lbs./1.6 kg <b>Thermal Transfer:</b> 5.5 lbs./2.5 kg

## Printer Specifications

<b>Operating System</b>	Link-OS®
<b>Resolution</b>	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
<b>Memory</b>	512 MB Flash; 256 MB SDRAM 64 MB user available non-volatile memory 8 MB user available SDRAM
<b>Maximum Print Width</b>	4.09 in./104 mm for 203 dpi 4.27 in./108 mm for 300 dpi
<b>Maximum Print Speed</b>	8 in./203 mm per second (203 dpi) 6 in./152 mm per second (300 dpi)
<b>Media Sensors</b>	Full width, moveable reflective/black mark sensor; multi-position transmissive/gap sensor
<b>Firmware</b>	ZPL II; EPL 2; XML; ZBI; PDF Direct

## Media and Ribbon Characteristics

<b>Label Length</b>	Maximum: 39.0 in./991 mm Minimum: 0.25 in./6.4 mm
<b>Media Width</b>	<b>Direct Thermal:</b> 0.585 in./15 mm to 4.25 in./108 mm <b>Thermal Transfer:</b> 0.585 in./15 mm to 4.65 in./118 mm
<b>Media Roll Size</b>	Maximum outer diameter: 5.0 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
<b>Media Thickness</b>	0.003 in. (0.08 mm) min.; 0.0075 in. (0.19 mm) max. (tear-off mode only)
<b>Media Types</b>	Roll-fed or fan-fold, die cut or continuous with or without black mark, label or tag stock, continuous receipt paper, wristbands, linerless media* * For use only with linerless printer model

<b>Ribbon Outside Diameter</b>	2.6 in./66 mm (300 m); 1.34 in./34 mm (74 m)
<b>Ribbon Standard Length</b>	984 ft. (300 m); 243 ft. (74 m)
<b>Ribbon Ratio</b>	1:4 ribbon to media (300 m) 1:1 ribbon to media (74 m)
<b>Ribbon Width</b>	1.33 in./33.8 mm — 4.3 in./109.2 mm
<b>Ribbon Core I.D.</b>	300 meter ribbon 1 in./25.4 mm 74 meter ribbon 0.5 in./12.7 mm

## Operating Characteristics

<b>Operating Temp.</b>	40° to 105° F/4.4° to 41° C
<b>Storage Temp.</b>	-40° to 140° F/-40° to 60° C
<b>Operating Humidity</b>	10% to 90% non-condensing
<b>Storage Humidity</b>	5% to 95% non-condensing
<b>Electrical</b>	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

<b>Media Handling</b>	Dispenser/Peeler: label peel and present with label present sensor (factory installed or field installable) Cutter (factory installed or field installable)
<b>Communications</b>	802.11ac Wi-Fi and Bluetooth 4.1 (dual radio), (factory installed or field installable)
<b>User Interface</b>	4.3" full color touch LCD (resolution: 480 wide x 272 high) with 3-button user interface
<b>Battery</b>	Provides power to the printer to support a full shift of printing at maximum print speed; supports all connectivity and media handling options
<b>Carrying Case</b>	Carrying case with shoulder strap and handles makes it easy to bring your desktop printer and battery to the point of application
<b>Keyboard Display Unit</b>	Zebra Keyboard Display Unit (ZKDU) for stand-alone printing solutions
<b>Media Locking Cabinet</b>	Mechanical lock with 2 keys; Kensington® lock slot; available on ZD621 healthcare direct thermal model only
<b>Mounting Plate</b>	Secure ZD Series printers to countertops or shelves
<b>Enclosed Power Supply</b>	Attached power supply accessory for cord-free installation

## Fonts/Graphics/Symbologies

<b>Bar Code Ratios</b>	2:1 and 3:1
<b>1D Bar Codes</b>	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
<b>2D Bar Codes</b>	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, MicroPDF, Aztec
<b>Fonts and Graphics</b>	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

## Markets and Applications

### Retail

- Return tags
- Asset labels
- Shelf labels
- Price markdowns
- Information labels
- Pharmacy labels

### Healthcare

- Prescription labels
- Lab and specimen labels
- Patient ID wristbands
- Asset labels
- Blood and IV bag labels
- Patient record labels

### Transportation & Logistics

- Shipping and receiving labels
- Packing slips
- Asset labels

### Manufacturing

- Shipping labels
- Receiving labels
- Agency labels
- Packing list
- Inventory
- Asset tags