part# ZD6A143-301LR1EZ

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.

The ZD621 – Premium print quality, features and reliability. Ready for today and tomorrow.

For more information, please visit www.zebra.com/zd621

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.

Backwards Compatible with Virtually Any Existing Thermal Printer

Integrate your ZD621 into your existing printer fleet with confidence. Use the same label formats and applications you're using today. It supports both EPL and ZPL printer languages, and can emulate languages normally associated with other printer brands using Zebra's Print DNA tool, Virtual Devices.

Intuitive User Interface

Interact at a touch with the ZD621's optional 4.3-inch, full-color LCD touch display, standard on the ZD621 healthcare and RFID models. The easy-to-use menu features step-by-step setup wizards, troubleshooting animations, media-loading and calibration guidance and supports stand-alone printing applications. Zebra touchscreens 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.

Connect Your Way with Comprehensive Communication

Integrate your ZD621 onto your existing wired and wireless networks or connect it directly to any PC. Every ZD621 comes with Ethernet, Serial, USB 2.0 and USB Host, or add an optional dual wireless radio with fast 802.11ac Wi-Fi™ and Bluetooth® 4.1. Print from any Windows®, Android™ or iOS® device, and integrate your ZD621 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 the ZD621 to pair and print—as well as instantly access Zebra's extensive knowledge base of how-to videos.

The Features You Need, When You Need Them

Turn Your ZD621 Into a Portable Printer

Easily transport your ZD621 printer on a cart or with Zebra's optional carrying case[1], using the battery option. Print on the spot to reduce steps and increase productivity. Power through a full shift with the high-capacity battery.

Movable Sensor for Comprehensive Media Compatibility

The ZD621's movable media sensor lets you use virtually any media for greater flexibility across a variety of use cases.

Print DNA™ Software Suite, Your Built-In Advantage

Print Securely and Confidently, Without Hassles

Print DNA suite of software, powered by our Link-OS® operating system, will get your printer up and running quickly and securely. Print consistently, and uninterrupted with a solution that's fully integrated and interoperable, and will enable your printer 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 have the ability to easily manage, secure and troubleshoot your networked printers from one remote location. Manage one printer, a group of specific printers or all printers anywhere in the world.

Unparalleled, Peace-of-Mind Printer Security

Shield yourself from cyberattacks with Zebra's PrintSecure, part of Print DNA. Easily configure your printers via 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 toolset, your Zebra MPS provider can remotely manage and optimize your printers, track and automate supplies replenishment and ensure security.

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™ provides enhanced coverage that exceeds standard warranty. Get increased protection with the ZD621's standard two-year warranty.

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
• PDF Direct
• Two-year standard warranty

Physical Characteristics

Dimension	Direct Thermal: 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 Thermal Transfer: 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
Weight	Direct Thermal: 3.6 lbs./1.6 kg Thermal Transfer: 5.5 lbs./2.5 kg

Printer Specifications

Operating System	Link-OS
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
Memory	512 MB Flash; 256 MB SDRAM 64 MB user available non-volatile memory 8 MB user available SDRAM
Maximum Print Width	4.09 in./104 mm for 203 dpi 4.27 in./108 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	Maximum: 39.0 in./991 mm Minimum: 0.25 in./6.4 mm
Media Width	Direct Thermal: 0.585 in./15 mm to 4.25 in./108 mm Thermal Transfer: 0.585 in./15 mm to 4.65 in./118 mm
Media Roll Size	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
Media Thickness	0.003 in. (0.08 mm) min.; 0.0075 in. (0.19 mm) max. (tear-off mode only)

Options and Accessories

Media Handling	Dispenser/Peeler: label peel and present with label present sensor (factory installed or field installable) Cutter (factory installed or field installable)
Communications	802.11ac Wi-Fi and Bluetooth 4.1 (dual radio), (factory installed or field installable)
User Interface	4.3" full color touch LCD (resolution: 480 wide x 272 high) with 3-button user interface
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all connectivity and media handling options
Carrying Case[1]	Carrying case with shoulder strap and handles makes it easy to bring your desktop printer and battery to the point of application
Keyboard Display Unit	Zebra Keyboard Display Unit (ZKDU) for stand-alone printing solutions
Media Locking Cabinet	Mechanical lock with 2 keys; Kensington® lock slot; available on ZD621 healthcare direct thermal model only
Mounting Plate	Secure ZD Series printers to countertops or shelves
Enclosed Power Supply	Attached power supply accessory for cord-free installation

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. China units include SimSun simplified Chinese font

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

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 and Logistics

• Shipping and receiving labels
• Packing slips
• Asset labels

Manufacturing

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

Media and Ribbon Characteristics

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

Environmental Compliance

Environment
• RoHS Directive 2011/65/EU; Amendment 2015/863
A complete list of product and materials compliance, please visit: www.zebra.com/environment

Print DNA Software

This printer is supported by our Print DNA suite of software capabilities to get your printer up and running quickly and securely, and enable your printer to evolve with your business needs. Print DNA features may vary by model, and some features may require a license. For more information, please visit www.zebra.com/printdna

Included in the Box

Printer, empty ribbon take-up cores (1 in. and 0.5 in.)*, 300 m ribbon core adapters for non-Zebra ribbon (2)*, AC power supply, power cord(s), USB cable, Quick Start Guide, Regulatory Guide
* Empty ribbon take-up cores and ribbon core adapters included with ZD621 thermal transfer models only

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

ZD621 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

Footnotes

1. Does not fit when cutter or peeler attached

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