Zebra Desktop Printer Positioning Guide

Shared Key Features: ZD621 Series, ZD421 Series, ZD220, ZD230, ZD410, TLP 2824 Plus

You want a quality, durable printer with the right features that's engineered to perform flawlessly—today and tomorrow. Don't compromise. Get it all with Zebra.

Leveraging more than 50 years of thermal printing experience, our printers are designed specifically for your environments and workflows to keep your business moving forward. With a Zebra printer, each step is frustration-free from setup to operation to management—and even to security.

This guide will help you explore our portfolio of industry-leading, broad desktop printers—featuring compact footprints to fit in small spaces. Discover the model that's just right for you. From the manufacturing floor to the retail floor, from deliveries to distribution, from patient records to the pharmacy—and everywhere in between—we have the printer to make your job easier, faster and accurate.

Shared Series Overview	Model Differentiators	
Compact Desktop Printers		
• Ultra compact to fit in the smallest workspaces • Print width of 2.2 in./56 mm is ideal for narrow-label applications	**TLP2824 Plus**	• Print using direct thermal and thermal transfer • Zebralink™
	ZD410	• Mid-range printer offering broader feature set • Loaded with connectivity options • Advanced user interface • Direct thermal model only • Field-installable peeler and cutter • Optional battery for cordless operation • Print DNA software suite • Healthcare model available
Value Desktop Printers		
• Zebra's most affordable printers • Quality, dual-wall construction • Single LED status indicator • Single button for feed/pause • Minimum features for simple operation • Compact design with OpenACCESS™ media loading • Available in direct thermal or thermal transfer models • Print width of 4.09 in./104 mm	**ZD220**	• 4 ips print speed • Optional peeler available • Print DNA Software - core set of applications
	ZD230*	• 300 m ribbon roll capacity • 6 ips print speed • Wireless connectivity options • Optional cutter or peeler available • Print DNA Software - core set of applications

*Not available in all regions.

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Shared Series Overview	Model Differentiators	
Advanced Desktop Printers		
• Advanced features and functionality • Ideal for moderate-volume duty cycles • Quality, dual-wall construction • Fast print speeds • Compact design with OpenACCESS™ • Easy media loading • Print width of 4.09 in./104 mm • Broader connectivity options • Advanced user interface with intuitive menu • Field-installable media handling and connectivity options, including wireless • Battery accessory for cordless operation • Optional 300 dpi print resolution • Print DNA software suite • Unparalleled security with PrintSecure	**ZD421 Thermal Transfer**	Dual-ribbon handling allows either 243 ft./74 m or high-capacity 984 ft./300 m ribbons
	ZD421 Direct Thermal	No ink, ribbon or toner required
	ZD421 Healthcare (Thermal Transfer/ Direct Thermal)	• Sealed-button interface • UV-resistant housing • Disinfectant-ready, white plastics • Medical-grade power supply is IEC 60601-1 compliant
	ZD421 Ribbon Cartridge (Standard and Healthcare models)	• Load ribbon in a snap with fool-proof, one way, first-time every-time, instant loading, 243 ft./74 m • Smart chip in the ribbon indicates when it needs replacing

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Shared Series Overview	Model Differentiators	
Premium Desktop Printers		
• Premium features for any application • Maximum print quality • Ideal for moderate-volume duty cycles • Quality, dual-wall construction • Compact design with OpenACCESS • Easy media loading • Print width of 4.09 in./104 mm • More standard connectivity • Advanced user interface with intuitive menu • Field-installable wireless kit, peeler and cutter • Battery accessory for cordless operation • Optional 300 dpi print resolution • Print DNA software suite • Unparalleled security with PrintSecure	**ZD621 Thermal Transfer**	• Dual-ribbon handling allows either 243 ft./74 m or high-capacity 984 ft./300 m ribbons
	ZD621 Direct Thermal	• Go green with optional linerless configurations that eliminate waste and deliver more labels per roll for fewer roll changes
	ZD621 Healthcare (Thermal Transfer / Direct Thermal)	• Sealed-button interface • UV-resistant housing • Disinfectant-ready plastics • Medical-grade power supply is IEC 60601-1 compliant • 4.3-inch, full-color LCD touch display (standard) • Optional mechanical lock with two keys; Kensington® lock slot
	ZD621R	• Print and encode RFID tags and labels without complication • Includes Zebra's exclusive RE40 RFID module and adaptive encoding technology to support a broad range of applications • Simple to calibrate and allows for excellent media flexibility • 4.3-inch, full-color LCD touch display (standard)

Compare Features To See Which Printer Best Suits Your Needs[1]

	Compact Desktop Printers		Value Desktop Printers		Advanced Desktop Printers	Premium Desktop Printers
	TLP2824	**ZD410**	**ZD220**	**ZD230**	**ZD421**	**ZD621**
Product Description	2 in. thermal transfer[2] desktop printer	2 in. direct thermal desktop printer	4 in. direct thermal or thermal transfer[2] desktop printer	4 in. direct thermal or thermal transfer[2] desktop printer	4 in. direct thermal or thermal transfer[2] desktop printer	4 in. direct thermal or thermal transfer[2] desktop printer
Printer Specifications						
Maximum Print Speed	4 ips	6 ips	4 ips	6 ips	6 ips	8 ips
Print Resolution	203 dpi	203 dpi; optional 300 dpi	203 dpi	203 dpi	203 dpi; optional 300 dpi	203 dpi; optional 300 dpi
Standard Features						
Memory SDRAM/Flash	8 MB SDRAM/ 4 MB Flash; Optional 64 MB Flash with real-time clock for a total of 68 MB	256 MB SDRAM/ 512 MB Flash	128 MB SDRAM/ 256 MB Flash	128 MB SDRAM/ 256 MB Flash	256 MB SDRAM/ 512 MB Flash	256 MB SDRAM/ 512 MB Flash
Standard Programming Languages	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident
Communication Interface(s)	Standard: Serial, USB and Parallel Optional: Ethernet (replaces Serial and Parallel ports)	Standard: USB 2.0, USB Host Optional: Field-installable Serial, factory-installed or field-installable Ethernet, factory-installed wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1	USB	Standard: USB Optional: Factory-installed USB and Ethernet USB and Bluetooth 4.1 USB 802.11ac Wi-Fi and Bluetooth 4.1	Standard: USB 2.0, USB Host Optional: Field-installable Serial, factory-installed or field-installable Ethernet or wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1	USB 2.0, USB Host, Serial, Ethernet, Factory- or field-installable wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1
Unicode Compliant	Yes	Yes	Yes	Yes	Yes	Yes
User Interface	Single reset button defaults to factory and/or network settings	5 status icon, 3-button user interface	Single LED status indicator; single button for feed/pause	Single LED status indicator; single button for feed/pause	5 status icon, 3-button user interface	Standard: 5 status icon, 3-button user interface Optional: 4.3-inch, full-color LCD touch display
Print DNA Software	No	Yes	Print DNA Basic	Print DNA Basic	Yes	Yes
Supplies Characteristics						
Maximum Media Width	2.36 in./60 mm	2.36 in./60 mm	4.4 in./112 mm	4.4 in./112 mm	TT: 4.41 in./112 mm DT: 4.25 in./108 mm	TT: 4.65 in./118 mm DT: 4.25 in./108 mm
Ribbon Length	N/A	244 ft./74 m	244 ft./74 m	984 ft./300 m; 244 ft./74 m	984 ft./300 m; 244 ft./74 m	984 ft./300 m; 243 ft./74 m
Available Feature Options						
Media Handling	Factory-installed Peeler or Cutter	Field-installable Peeler or Cutter	Factory-installed Peeler	Factory-installed Peeler or Cutter	Field-installable Peeler or Cutter	Factory and field-installable Peeler or Cutter
Healthcare Model Available	No	Yes	No	No	Yes	Yes
RFID Model Available	No	No	No	No	No	Yes

1. Specifications subject to change without notice. 2. All thermal transfer printers can operate in direct thermal mode. *Not available in all regions.

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