

# Zebra Desktop Printer Positioning Guide

Shared Key Features: ZD620, ZD420, ZD220, ZD230\*, ZD500, GX420, GX430T, GK420, ZD410, TLP 2824 Plus

Keep your workflows moving smoothly and your teams operating at peak efficiency with Zebra desktop printers. We understand your work pressures. That’s why we purposefully make our printers with you and your job in mind.








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.

You rely on printers and tools that are dependable, durable, easy to use and don’t require much space. Zebra’s desktop printers are compact, simple to operate, reliable and cost-effective. And, they leverage our long history of innovation and industry-leading capabilities.

Shared Series Overview	Model Differentiators	
<b>Compact Desktop Printers</b>		
<ul style="list-style-type: none"> <li>• Ultra compact to fit in the smallest workspaces</li> <li>• Print width of 2.2 in./56 mm is ideal for narrow-label applications</li> </ul>	<b>TLP2824 Plus</b>	 <ul style="list-style-type: none"> <li>• Print using direct thermal and thermal transfer</li> <li>• Zebralink™</li> </ul>
	<b>ZD410</b>	 <ul style="list-style-type: none"> <li>• Mid-range printer offering broader feature set</li> <li>• Loaded with connectivity options</li> <li>• Advanced user interface</li> <li>• Direct thermal model only</li> <li>• Field-installable media handling options</li> <li>• Optional battery for cordless operation</li> <li>• Print DNA powered by Link-OS®</li> <li>• Healthcare model available</li> </ul>
<b>Value Desktop Printers</b>		
<ul style="list-style-type: none"> <li>• Zebra’s most affordable printers</li> <li>• Quality, dual-wall construction</li> <li>• Single LED status indicator</li> <li>• Single button for feed/pause</li> <li>• Minimum features for simple operation</li> <li>• Compact design with OpenACCESS™ media loading</li> <li>• Available in direct thermal or thermal transfer models</li> <li>• Print width of 4.09 in./104 mm</li> </ul>	<b>ZD220</b>	 <ul style="list-style-type: none"> <li>• 4 ips print speed</li> <li>• Optional peeler available</li> <li>• Print DNA powered by Link-OS Basic</li> </ul>
	<b>ZD230*</b>	 <ul style="list-style-type: none"> <li>• 300 m ribbon roll capacity</li> <li>• 6 ips print speed</li> <li>• Wireless connectivity options</li> <li>• Optional cutter or peeler available</li> <li>• Print DNA powered by Link-OS Basic</li> </ul>

## Zebra Desktop Printer Positioning Guide — continued

Shared Series Overview	Model Differentiators	
<b>Mid-range Desktop Printers</b>		
<ul style="list-style-type: none"> <li>• Advanced features and functionality</li> <li>• Ideal for moderate-volume duty cycles</li> <li>• Quality, dual-wall construction</li> <li>• Fast print speeds</li> <li>• Broader connectivity options</li> <li>• Compact design with OpenACCESS™ media loading</li> <li>• Available in direct thermal or thermal transfer models</li> <li>• Print width of 4.09 in./104 mm</li> </ul>	<p><b>ZD420</b></p>	<ul style="list-style-type: none"> <li>• Easy-to-replace ribbon cartridge models available</li> <li>• Loaded with connectivity options</li> <li>• Advanced user interface</li> <li>• Dual-ribbon handling allows either 244 ft./74 m or high-capacity 984 ft./300 m ribbons</li> <li>• Field-installable media handling and connectivity options</li> <li>• Optional battery for cordless operation</li> <li>• Optional 300 dpi print resolution</li> <li>• Print DNA powered by Link-OS</li> <li>• Healthcare model available</li> </ul> 
	<p><b>GK420</b></p>	<ul style="list-style-type: none"> <li>• Standard triple connectivity: USB, Parallel, Serial; Optional Ethernet</li> <li>• ZebraLink</li> </ul> 
<b>Premium Desktop Printers</b>		
<ul style="list-style-type: none"> <li>• Maximum print quality</li> <li>• Premium features for any application</li> <li>• Broadest connectivity options</li> <li>• Most factory-installed options available</li> <li>• Quality, dual-wall construction</li> <li>• Compact design with OpenACCESS™ media loading</li> <li>• Available in direct thermal or thermal transfer models</li> <li>• Print width of 4.09 in./104 mm</li> <li>• Factory- and field-installable media handling options</li> </ul>	<p><b>GX420</b></p>	<ul style="list-style-type: none"> <li>• ZPL and EPL programming languages</li> <li>• Factory installable media handling options</li> <li>• ZebraLink</li> </ul> 
	<p><b>GX430T</b></p>	<ul style="list-style-type: none"> <li>• Crisp 300 dpi print quality</li> <li>• ZPL and EPL programming languages</li> <li>• Factory installable media handling options</li> <li>• ZebraLink</li> </ul> 
	<p><b>ZD620</b></p>	<ul style="list-style-type: none"> <li>• Fastest print speeds</li> <li>• Most standard features of any Zebra desktop printer</li> <li>• Optional 10-button user interface with color LCD</li> <li>• Backwards compatible with virtually any existing printer</li> <li>• Optional battery for cordless operation</li> <li>• Factory- and field-installable media handling options</li> <li>• Optional linerless media configurations</li> <li>• Optional 300 dpi print quality</li> <li>• Dual-ribbon handling allows either 244 ft./74 m or high-capacity 984 ft./300 m ribbons</li> <li>• Print DNA powered by Link-OS</li> <li>• Healthcare model available</li> </ul> 
	<p><b>ZD500</b></p>	<ul style="list-style-type: none"> <li>• RFID model (ZD500R) available: Zebra's only RFID desktop printer</li> <li>• Factory-installable media handling options</li> <li>• Optional 300 dpi print quality</li> <li>• Print DNA powered by Link-OS</li> </ul> 

\*Not available in all regions.

## Compare Features To See Which Printer Best Suits Your Needs<sup>1</sup>

	Compact Desktop Printers		Value Desktop Printers		Mid-range Desktop Printers	
User Need	TLP2824	ZD410	ZD220	ZD230	ZD420	GK420
<b>Product Description</b>	2 in. thermal transfer <sup>2</sup> desktop printer	2 in. direct thermal desktop printer	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer
<b>Printer Specifications</b>						
<b>Maximum Print Speed</b>	4 ips	6 ips	4 ips	6 ips	6 ips	5 ips
<b>Print Resolution</b>	203 dpi	203 dpi; optional 300 dpi	203 dpi	203 dpi	203 dpi; optional 300 dpi	203 dpi
<b>Standard Features</b>						
<b>Memory RAM/Flash</b>	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/512 MB 128 MB SDRAM for printers without factory-installed network connectivity options	8 MB/4 MB
<b>Standard Programming Languages</b>	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident
<b>Communication Interface(s)</b>	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, factory-installed wireless dual radio; 802.11ac Wi-Fi and Bluetooth 4.1	Standard: USB, Parallel, Serial Optional: Ethernet (replaces Serial and Parallel ports)
<b>Unicode Compliant</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>User Interface</b>	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	Single LED status indicator; single button user interface
<b>Print DNA with Link-OS Enabled</b>	No	Yes	Print DNA with Link-OS Basic	Print DNA with Link-OS Basic	Yes	No
<b>Supplies Characteristics</b>						
<b>Maximum Media Width</b>	2.36 in./60 mm	2.36 in./60 mm	4.4 in./112 mm	4.4 in./112 mm	4.65 in./118 mm	4.25 in./108 mm
<b>Ribbon Length</b>	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	244 ft./74 m
<b>Available Feature Options</b>						
<b>Media Handling</b>	Factory-installed Peeler or Cutter	Factory-installed Peeler or Cutter	Factory-installed Peeler	Factory-installed Peeler or Cutter	Field-installable Peeler or Cutter	No
<b>Healthcare Model Available</b>	No	Yes	No	No	Yes	No

1. Specifications subject to change without notice.  
2. All thermal transfer printers can operate in direct thermal mode.

## Compare Features To See Which Printer Best Suits Your Needs<sup>1</sup> — continued

	Premium Desktop Printers			
User Need	GX420	GX430T	ZD620	ZD500
<b>Product Description</b>	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer	4 in. thermal transfer <sup>2</sup> desktop printer	4 in. direct thermal or thermal transfer <sup>2</sup> desktop printer	4 in. thermal transfer <sup>2</sup> desktop printer
<b>Printer Specifications</b>				
<b>Maximum Print Speed</b>	6 ips	4 ips	8 ips	6 ips
<b>Print Resolution</b>	203 dpi	300 dpi	203 dpi; optional 300 dpi	203 dpi; optional 300 dpi
<b>Standard Features</b>				
<b>Memory RAM/Flash</b>	8 MB SDRAM/4 MB Flash	8 MB SDRAM/4 MB Flash	256 MB SDRAM/512 MB Flash	128 MB SDRAM/256 MB Flash
<b>Standard Programming Languages</b>	EPL/ZPL Co-resident	EPL/ZPL Co-resident	EPL/ZPL Co-resident	ZPL
<b>Communication Interface(s)</b>	Standard: Serial, USB and Parallel Optional: Ethernet (replaces Parallel port)	Standard: USB, Serial and Parallel Optional: Ethernet	USB 2.0, USB Host, Serial, Ethernet, BTLE	Standard: USB, Serial, Parallel and Ethernet Optional: Dual radio 802.11a/b/g/n and Bluetooth
<b>Unicode Compliant</b>	Yes	Yes	Yes	Yes
<b>User Interface</b>	Standard: Single LED status indicator; single button user interface Optional: LCD	Standard: Single LED status indicator; single button user interface Optional: LCD	Standard: 5 status icon, 3-button user interface Optional: Color LCD with 5 status icons, 10-button user interface	10-button LCD user interface
<b>Print DNA with Link-OS Enabled</b>	No	No	Yes	Yes
<b>Supplies Characteristics</b>				
<b>Maximum Media Width</b>	4.25 in./108 mm	4.25 in./108 mm	Direct Thermal: 4.25 in./108 mm Thermal Transfer: 4.65 in./118 mm	4.25 in./108 mm
<b>Ribbon Length</b>	N/A	244 ft./74 m	984 ft./300 m; 244 ft./74 m	244 ft./74 m
<b>Available Feature Options</b>				
<b>Media Handling</b>	Factory-installed Peeler or Cutter	Factory-installed Peeler or Cutter	Factory-installed or field-installable Peeler or Cutter	Factory-installed Peeler or Cutter
<b>Healthcare Model Available</b>	No	No	Yes	No

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