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ZT400 Series

Frequently Asked Questions

What is the ZT400 Series

The ZT400 Series printer is the next generation of Zebra’s mid-range Tabletop printers. The ZT400 fills the better category within the Industrial product family and will replace the current ZM and RZ printers. The ZT400, like the current ZM, is intended to offer maximum feature flexibility to address a broad range of applications.

There are two printers in the ZT400 Series; the ZT410 and the ZT420. Both printers share the same internal mechanical components, electrical components and control board. The primary difference between the two printers is the print width and maximum print resolution.

	ZT410	ZT420
Maximum print width	4.09"/104mm	6.6"/168mm
Maximum print speed	14"/356 mm per second	12"/305 mm per second
Print resolution	203, 300, 600 dpi/8, 12, 24 dots per mm	203 and 300 dpi/8 and 12 dots per mm

How should the ZT400 Series be positioned?

The ZT400 Series printers fit within the Better category of the tabletop product line. The ZT400 sits below the best category (Xi and 105SLPlus) and above the good category (ZT200 Series).

The ZT400 is intended for customers that need to print a variety of different label formats on a variety of different media types. These printers can be deployed in an industrial environment. The ZT400 Series is ideal for applications where adaptability is needed but with lower volume requirements than the Xi and 105SLPlus printers. The ZT400 Series printers are suited for applications up to approximately 4000 labels per day.



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What are the target applications for the ZT400 Series?

Because the ZT400 printers offer a cost-effective option for rugged, industrial printing needs, they are ideal for use in a wide variety of applications in Manufacturing, Transportation & Logistics, Retail and Healthcare markets.

With high-resolution printing capabilities, up to 600 dpi, and precise registration, the ZT410 is an outstanding option for small-label applications such as electronics, small container and jewelry labeling.

What are the differences between the ZT410/ZT420 and the current ZM400/ZM600

The ZT400 printers offer incremental improvements in basic performance and other specifications, however the new printer offers significant improvements in design, usability and features. A key element of the underlying design philosophy of all the ZT Series of printers is the inclusion of features to make the printers more appealing to end users. The design team leveraged the experience gained in the design of the ZT200 Series printers and built on and extended the improvements made to the ZT200 to create an even better printer in the ZT400. In addition, the team conducted user interviews to determine the key customer pain points. This input was used as the basis for the design changes, focusing on addressing customer needs and concerns with existing printers. The ZT series of printers are more user friendly than current printers with simpler use and maintenance. This is an important competitive differentiator that leverages and builds on the Zebra reputation for quality and durability.

	ZT410		ZM400	
MAX PRINT SPEED	203 dpi	14"/356 mm per second	203 dpi	10"/254 mm per second
	300 dpi	10"/254 mm per second	300 dpi	8"/203 mm per second
	600 dpi	4"/102 mm per second	600 dpi	4"/102 mm per second
MAXIMUM PRINT WIDTH	4.09"/104 mm		4.09"/104 mm	
STANDARD COMMUNICATIONS	Ethernet, Serial, USB 2.0, Bluetooth 2.1, USB Host, Two open communication slots		USB 2.0, Serial and parallel.	
OPTIONAL COMMUNICATIONS	Parallel, Wireless 802.11 a/b/g/n		Ethernet, Wireless 802.11 b/g	
STANDARD RAM	256MB RAM memory (4MB User Available)		16 MB SDRAM	



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STANDARD FLASH	512MB Flash memory (64 MB User Available)	8 MB Flash (2 MB User Available)
OPTIONAL MEMORY	NA	64 MB Flash (58 MB User Available)
PROCESSOR	32 bit, 400 MHz	32 bit
USER INTERFACE	Back-lit, multiline graphic LCD display	Back-lit, multiline graphic LCD display
LINK-OS ENABLED	Yes	No
USER SET UP AND MAINTENANCE	Print Touch Dynamic QR Codes	None
PRINT QUALITY	Thin film print head with E3® Element Energy Control	Thin film print head with E3® Element Energy Control

	ZT420		ZM600	
MAX PRINT SPEED	203 dpi	12"/305 mm per second	203 dpi	10"/254 mm per second
	300 dpi	10"/203 mm per second	300 dpi	8"/203 mm per second
MAXIMUM PRINT WIDTH	6.6"/168 mm		6.6"/168 mm	
STANDARD COMMUNICATIONS	Ethernet, Serial, USB 2.0, Bluetooth 2.1, USB Host, Two open communication slots		USB 2.0, Serial and parallel.	
OPTIONAL COMMUNICATIONS	Parallel, Wireless 802.11 a/b/g/n		Ethernet, Wireless 802.11 b/g	
STANDARD RAM	256MB RAM memory (4MB User Available)		16 MB SDRAM	
STANDARD FLASH	512MB Flash memory (64 MB User Available)		8 MB Flash (2 MB User Available)	
OPTIONAL MEMORY	NA		64 MB Flash (58 MB User Available)	
PROCESSOR	32 bit, 400 MHz		32 bit	
USER INTERFACE	Back-lit, multiline graphic LCD display		Back-lit, multiline graphic LCD display	
LINK-OS ENABLED	Yes		No	
USER SET UP AND MAINTENANCE	Print Touch Dynamic QR Codes		None	
PRINT QUALITY	Thin film print head with E3® Element Energy Control		Thin film print head with E3® Element Energy Control	



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The following list some of the standard features on the ZT400 that were not available on the ZM

- Dynamic QR codes provide “on-demand,” web-based support to resolve printer errors quickly.
- Lighted media and ribbon paths make it easy to see inside the printer, even in poorly lit environments.
- Link-OS environment
 - Cloud Connect securely and directly interacts with the cloud for printing and device management
 - Profile Manager to manage one printer, batches of printers or all Link-OS printers across a network anywhere in the world.
 - Print Touch web page launching features using Near Field Communications (NFC), making it easy to access Zebra’s extensive knowledge base of how-to videos and product support.
- End-user-installable media handling options
- Standard Serial, USB, Ethernet and Bluetooth features—as well as two open media slots
- 14 ips maximum print speed
- Bi-fold media door decreasing overall operating space by 35%
- Increased processing power and user memory.
- USB host port enables simple printer configuration by easily transferring data from a USB flash drive via mirroring and expanded mapped-drive memory capabilities.

Can the ZT400 Series printers directly replace the ZM printers?

Yes. If a customer is printing with ink side in, they must request an alternate ribbon supply spindle through a custom request. This option is only available on the ZT410 printer.

How easy is it to reconfigure a ZT400?

The ZT400 Series have two available slots for additional communication cards. Zebra offers 802.11 a/b/g/n wireless, parallel and Ethernet communication cards for the ZT400 Series. These cards can be installed without removing the cover from the printer. The card is slides into the back of the printer. The process for adding a communication card takes less than two minutes.

It is similarly easy to field install media handling options. Peel, cutter and liner take up can be installed in less than five minutes and do not require access to the power side of the printer. The ZT400 Series come with connectors installed on the printer firewall to attach the wiring for the media handling options.

Similarly, the RFID module can be easily installed and does not require the installation of an encoder on the power side of the printer.



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Why does the price list for the ZT400 not contain a configurator?

With the standardization of many features and the addition of easy to install options, the ZT400 series pricelist is able to move a catalog vs the historical configurator concept. The majority (approximately 97%) of the printer configurations (dpi, media handling, and connectivity combinations) that were ordered for the ZM can still be ordered directly from Zebra via the catalog.

For those printers with feature sets not covered in the catalog, Partners and/or end users can create configurations using available catalog SKUs plus field-installable option kits. This approach allows customers to easily modify the printer as their requirements change and reduces the complexity of ordering from Zebra.

The required kits needed to assemble those SKUs not covered in the catalog will be detailed in the catalog. Also, only field installable fonts will be supported (as currently done with the ZT200 Series). Requests for new SKU creations will be considered, under appropriate business conditions - contact your regional product manager.

What media handling options are available for the ZT400 series?

The ZT400 series media handling options include:

- Rewind: internally rewinds a full roll of printed labels on 3" core, or peels and rewinds liner (Factory installed only)
- Peel: A front mount, passive peel option
- Peel: Liner take-up option – additional full roll liner take-up spindle accommodates standard printer base
- Cutter: A front mount guillotine cutter and catch tray, 1" I.D. Core Media Supply Hanger

What are the connectivity options?

In addition to standard USB, serial, Ethernet and Bluetooth, the ZT400 Series has optional:

- Parallel (Bi-directional interface)
- Wireless: ZebraNet® Printer Server – supports 802.11 a/b/g/n networks



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Printer Features

What are the dimensions of the printer?

	ZT410 (closed)	ZT420 (closed)
Width:	10.6"/269 mm	13.25"/336.55 mm
Height:	12.75"/305 mm	12.75"/305 mm
Depth:	19.50"/495 mm	19.50"/495 mm
Weight:	36 lb./16.33 Kg	40 lb./18.14 Kg

Can the same ribbon and media used for the ZM Series printers be used in the ZT400 series?

Yes. Without the alternate ribbon spindle we can use coated in media

Can non-Zebra ribbon and media be used in the ZT400 series?

Yes, as long as the size requirements are met. Always recommend genuine Zebra supplies due to potential quality issues with non-Zebra ribbon and media. Poor quality ribbon will shorten print head life and impact print quality. The ribbon must be wound ink side out for the standard printer.

Lower quality media when the printer is used in direct thermal mode will also shorten print head life. This is because the back of low quality thermal media is not coated and acts as an abrasive as it moves through the print head.

Does the ZT400 series support RFID?

Yes, RFID is an option for the ZT400. Supports tags compatible with UHF EPC Gen2 V1.2/ISO 18000-6C.



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Does the printer support USB Host?

Yes, USB Host opens a number of new capabilities utilizing the printer, not an additional client, to locally manage files, input data and configure the printer. USB mirror is ideal for local, fast replication of firmware, files and configurations for ease of setup and maintenance. Print Station supports local data input and form-filling without a client via USB connected scanners and keyboards. Print USB file is used to print formats, download firmware and execute files from a USB flash drive (memory stick). USB file transfer provides the transfer and storage of files between the printer memory and the USB flash drive.

Does the printer support Bluetooth?

Bluetooth 2.1 is integrated on the control panel and supports Windows Mobile, Google Android and Apple iOS.

What comes in the box?

- Printer
- Power cord
- Documentation (printer manual on CD, safety guide and warranty card)