Zebra ZT400 Series

Frequently Asked Questions

Q: What is the ZT400 Series?

A: The ZT400 Series printer is the current generation of Zebra's mid-range tabletop printers. The ZT400 Series offers maximum feature flexibility to address a broad range of applications.

There are two printers in the ZT400 Series; the ZT411 and the ZT421. 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.

	ZT411	ZT421
Maximum print width	4.09 in./104 mm	6.6 in./168 mm
Maximum print speed	14 in./356 mm per second	12 in./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

Q: What are the target applications for the ZT400 Series?

A: 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 and Logistics, Retail and Healthcare markets.

With high-resolution printing capabilities, up to 600 dpi, the ZT411 is an option for applications that require high resolution printing. For applications that utilize very small labels such as electronics, Zebra recommends the ZT600 series.

Q: What is the difference between the ZT410/ZT420 and the ZT411/ZT421?

A: The ZT411 and ZT421 were launched in October 2019 as replacements for the ZT410 and ZT420. This launch was a product line refresh, not a completely new product. The ZT411/ZT421 added the following features:

- Color touch display
- Standard dual USB host ports
- Printhead element out detection
- Bluetooth® 4.2 (upgraded from 2.1)
- Optional RFID on-metal tagging (ZT411 only)
- Optional linerless (ZT411 only)
- Optional applicator interface card
- Adjustable transmissive sensor

Q: Are options from the ZT410 and ZT420 compatible with the ZT411 and ZT421 printers?

A: Yes, all options are compatible with the ZT411 and ZT421.

Q: Can a customer purchase a model without the color touch display?

A: No, the only display option is the color touch.

Q: How easy is it to reconfigure a ZT400?

A: The ZT400 Series have two available slots for additional communication cards. Zebra offers dual radio 802.11ac with Bluetooth 4.2, Parallel and Ethernet communication cards for the ZT400 Series. These cards can be installed without removing the cover from the printer. The card 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.

Q: Does the ZT400 Series support linerless media?

A: Yes, linerless printing is an option for the ZT411 only. This special model is specifically designed and tested for use with Zebra ZeroLiner labels. There are two ways to upgrade to linerless:

- Factory-installed linerless: Since linerless is only available as direct thermal, this model does not have the capability to print in thermal transfer mode.
- Field-installable kit: With this option, the printer maintains the ability to print in thermal transfer mode if needs change in the future.

Q: What media handling options are available for the ZT400 series?

A: The ZT400 series media handling options include:

- Rewind: internally rewinds a full roll of printed labels on 3 in. 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 (ZT411 only)
- Cutter: A front mount guillotine cutter and catch tray, 1 in. I.D. Core Media Supply Hanger
- 1 in. I.D. Core Media Supply Hanger (ZT411 only)
- Ink-side in ribbon supply (ZT411 only)

Q: What are the connectivity options?

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

- Parallel (Bi-directional interface)
- Wireless dual radio with 802.11ac Wi-Fi™ and Bluetooth 4.2
- Ethernet
- Applicator interface

Q: Can the printer connect directly to a industrial ethernet network?

A: Optional firmware is available that allows the ZT400 Series printers to connect directly to a industrial Ethernet network via the standard RJ-45 connector. This capability is called Network Connect and works with Ethernet/IP networks. Please see www.zebra.com/zebradna for further details.

Q: What is a dual wireless card?

The dual wireless card contains both an integrated 802.11ac Wi-Fi and Bluetooth 4.2. The Bluetooth is MFi certified.

Q: What are the dimensions of the printer?

	ZT411 (closed)	ZT411 with Full Rewind	ZT421 (closed)	ZT421 with Full Rewind
Width	10.6 in./269 mm	10.81 in./274 mm	13.25 in./336.55 mm	13.31 in./338 mm
Height	12.75 in./305 mm	16.72 in./425 mm	12.75 in./305 mm	16.73 in./425 mm
Depth	19.50 in./495 mm	19.69 in./500 mm	19.50 in./495 mm	19.68 in./500 mm
Weight	36 lb./16.33 kg	48.7 lb./22.09 kg	40 lb./18.14 kg	55.3 lb./25.08 kg

Q: Does the ZT400 series support RFID?

A: Yes, RFID is a factory-installed or field-upgradeable option for the ZT400.

Q: What is Zebra's RFID On-metal Tagging Solution?

A: Zebra offers a version of the ZT411 that enables users to print and encode Silverline labels that are designed to work on a variety of surfaces including metallic cylinders and other challenging surfaces. This on-metal tagging solution can be ordered from the factory or upgraded in the field. The on-metal tagging solution is only available for 203 dpi and 300 dpi models.

Q: Is the RFID On-metal Tagging Solution the same as the standard UHF RFID model?

A: No. The on-metal tagging solution is different than the standard UHF RFID model. Silverline tags are thicker than standard RFID tags so a modified print mechanism is needed to allow the thicker tags to pass under the printhead without binding. Both non-RFID models or a standard UHF RFID models can be upgraded to support on-metal tagging.

Q: Does the printer support USB Host?

A: Yes, there are two standard USB Host ports. These ports allow you to connect USB devices—such as a keyboard, scanner, or USB flash (memory) drive—to the printer. They can be used for:

- Firmware updates
- File transfers and management
- Data entry devices (keyboards, scales, scanners, and other wedge devices)

Q: Does the printer support Bluetooth?

A: Bluetooth 4.2 is integrated on the control panel and supports Windows® Mobile, Google Android® and Apple iOS®. In addition, the optional dual wireless radio card contains Bluetooth 4.2.

Q: What comes in the box?

- Printer
- Power cord
- Documentation (safety guide and warranty card)

Q: What is the standard hardware warranty?

A: The warranty varies by region. Please visit www.zebra.com/warranty for further details.

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