

ZT400 Series Industrial Printers

A new level of performance, versatility and ease of use

Keep your critical operations running efficiently with Zebra's durable ZT400 Series printers. The ZT400 offers advanced technology that drives versatility, ease of use and performance to a new level. Available in three print resolutions and two print widths, the ZT400 Series addresses a broad array of applications throughout manufacturing, transportation and logistics, retail and more. See printer status at a glance and manage settings quickly using the large color touch display. Field installable connectivity, media handling and RFID options let you easily add new features as your needs evolve. And your IT department will find ZT400 printers easy to integrate and manage, thanks to Zebra's Print DNA suite of applications, utilities and developer tools-all powered by Link-OS®. The result? The ZT400 offers the versatility, reliability and performance to meet your industrial printing needs – today and tomorrow.



STANDARD FEATURES

- Print Methods: Thermal transfer and direct thermal printing
- Construction: Metal frame and bi-fold metal media cover with enlarged clear viewing window
- Side-loading supplies path for simplified media and ribbon loading
- Thin film printhead with E3™ Element Energy™ Equalizer for superior print quality
- Communications: USB 2.0, high-speed, RS-232 Serial, 10/100 Ethernet, Bluetooth 4.1, Dual USB Host
- 4.3-inch color touch display with intuitive menu for quick operation and settings management
- Bi-colored status LEDs for quick printer status
- ENERGY STAR qualified



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Physical Characteristics	
Dimensions (closed)	ZT411: 19.5 in. L x 10.6 in. W x 12.75 in. H 495 mm L x 269 mm W x 324 mm H ZT421: 19.5 in. L x 13.25 in. W x 12.75 in. H 495 mm L x 336 mm W x 324 mm H
Weight	ZT411: 36 lbs./16.33 kg ZT421: 40 lbs./18.14 kg
Printer Specifications	
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional) 600 dpi/24 dots per mm (optional for ZT411 only)
Memory	256 MB SDRAM memory 512 MB on-board linear Flash memory
Maximum Print Width	ZT411: 4.09 in./104 mm ZT421: 6.6 in./168 mm
Maximum Print Speed	ZT411: 14 ips/356 mm per second ZT421: 12 ips/305 mm per second
Media Sensors	Adjustable dual media sensors: transmissive and reflective
Print Length	ZT411 • 203 dpi: 157 in./3988 mm • 300 dpi: 73 in./1854 mm • 600 dpi: 39 in./991 mm ZT421 • 203 dpi: 102 in./2591 mm • 300 dpi: 45 in./1143 mm
Media Characteristics	
Maximum Media Width	ZT411 • 1.00 in./25.4 mm to 4.5 in./114 mm tear/cutter • 1.00 in./25.4 mm to 4.25 in./108 mm peel/rewind ZT421 • 2.00 in./51 mm to 7.0 in./178 mm tear/cutter • 2.00 in./51 mm to 6.75 in./171 mm peel/rewind
Maximum Media Roll Size	8.0 in./203 mm O.D. on a 3 in./76 mm I.D. core
Thickness	0.0023 in./0.058 mm to 0.010 in./0.25 mm
Media Types	Continuous, die-cut, notch, black-mark
Ribbon Characteristics	
Standard Length	1476 ft./450 M
Width	ZT411: 2.00 in./51 mm to 4.33 in./110 mm ZT421: 2.00 in./51 mm to 6.85 in./174 mm
Core	1.0 in./25 mm I.D.
Environmental	
Operating Temperature	Thermal transfer: 40° F to 104° F/5° C to 40° C Direct thermal: 32° F to 104° F/0° C to 40° C
Storage/Transportation Temperature	-40° F to 140° F/-40° C to 60° C
Operating Humidity	20% to 85% non-condensing
Storage Humidity	5% to 85% non-condensing

Firmware

ZBI 2.0™ — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.

ZPL and ZPL II® — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

EPL and EPL2™ — Eltron® Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications. (EPL available on 203 dpi models only.)

Electrical

Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz, ENERGY STAR qualified

Options and Accessories

Communication	Two open communication slots to add internal cards for: <ul style="list-style-type: none">• Dual band 802.11ac Wi-Fi and Bluetooth• Parallel (bi-directional interface)• 10/100 Ethernet• Applicator interface
Media Handling	<ul style="list-style-type: none">• Rewind: Internally rewinds a full roll of printed labels on 3" core, or peels and rewinds liner (factory installed only)• Peel: Front-mount, passive peel option• Peel: Liner take-up — additional full-roll liner take-up spindle accommodates standard printer base• Cutter: Front-mount guillotine cutter and catch tray• 1 in. I.D. Core media supply hanger (ZT411 only)• Ink-side in ribbon supply (ZT411 only)
RFID	<ul style="list-style-type: none">• Supports tags compatible with: UHF EPC Gen 2 V2, ISO/IEC 18000-63 and RAIN RFID protocols• Integrated RFID system is user-upgradable in the field and available on both 4 in. and 6 in. models• Adaptive Encoding Technology automatically selects optimum encode settings• Field installable on-metal RFID kit available*
Keyboard Display Unit	ZKDU™ keyboard display units for stand-alone printing applications
Fonts and Graphics	
16 resident expandable ZPL II bitmap and two resident scalable ZPL fonts Asian and other international scalable and smooth bitmapped fonts Unicode™: For multi-language printing Downloadable objects include graphics, scalable and bitmap fonts, label templates and formats IBM Code Page 850 international character sets are available in the fonts A, B, C, D, E, F, G and O through software control Code Page 1250, 1252, 1253, 1254, 1255 Support with font O 64 MB user-available non-volatile memory storage for downloadable objects 8 MB user-available SDRAM	

