

ZEBRA ZT600 SERIES

INDUSTRIAL PRINTERS

The ZT600 Series improves upon the legacy of previous Zebra industrial printers with high performance and durability. Designed with the toughest environments in mind, the ZT600 is sure to last.

Whether you're concerned about grit and grime or increasing demand, this heavy duty printer has you covered. With a powerful print engine and durable protective outer shell, the ZT 600 is sure to keep your processes flowing for years to come.



- 24/7 Reliability
- Micro-Consistent
- High Performance
- User-friendly
- Highly Adaptable

MODELS

The ZT600 series offers two models: the ZT610 and the ZT620. Compare the features to see which printer best suits your needs.



	ZT610	ZT620
Maximum Print Width	4.09" (104 mm)	6.6" (168 mm)
Maximum Ribbon Length	450 m	450 m
Maximum Print Speed	14 ips at 203 dpi 12 ips at 300 dpi 6 ips at 600 dpi	12 ips at 203 dpi 8 ips at 300 dpi
User Interface	Color, graphical LCD, status icons Optional: Brightly lit, 4.3-inch, full-color touch display	Color, graphical LCD, status icons Optional: Brightly lit, 4.3-inch, full-color touch display
Print Resolution (dpi)	203, 300, 600	203, 300
Printer Control Language	ZPL, ZPL II	ZPL, ZPL II

ZT600 TECHNICAL DATA

Zebra ZT600 Series

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, Gigabit Ethernet, Bluetooth 4.0

Highly visible color display that turns red when the printer is in an error state allows operators to determine printer status from a distance

Simplified icon menu navigation system categorizes settings into logical groups of functions

Physical Characteristics

	ZT610 closed	ZT620 closed
Length	19.88"/505 mm	19.88"/505 mm
Width	10.56"/268.2 mm	13.44"/341.45 mm
Height	15.58"/395.68 mm	15.58"/395.68 mm
Weight	50 lbs./22.7 kg	57.4 lbs./26 kg

Printer Specifications

Operating System	Link-OS®	
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional) 600 dpi/24 dots per mm (optional for ZT610 only)	
Memory	1 GB RAM memory 2 GB on-board linear Flash memory	
Maximum Print Width	ZT610: 4.09"/104 mm ZT620: 6.6"/168 mm	
Maximum Print Speed	ZT610: 14 ips/356 mm per second ZT620: 12 ips/305 mm per second	
Media Sensors	Dual media sensors: transmissive and reflective	
Maximum Continuous Print Length	ZT610 203 dpi: 150"/3810 mm 300 dpi: 100"/2540 mm 600 dpi: 30"/762 mm	ZT620 203 dpi: 80"/2032 mm 300 dpi: 80"/2032 mm

Ribbon Characteristics

Standard Length	1476 ft./450 m
Width	ZT610: 0.79"/20 mm to 4.33"/110 mm ZT620: 2.0"/51 mm to 6.7"/170 mm
Core	1.0"/25.4 mm I.D.



Zebra ZT600 Series

Media Characteristics

Media Width	ZT610 0.79"/20 mm to 4.5"/114 mm	ZT620 2.0"/51 mm to 7.1"/180 mm
Maximum Media Roll Size	8"/203 mm O.D. on a 3"/76 mm I.D. core	
Thickness	0.0023"/0.058 mm to 0.010"/0.25 mm	
Media Types	Continuous, die-cut, notch, black-mark	

Operating Characteristics

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 Operating Humidity: 20% to 85% non-condensing Storage/Transportation Temperature: -22F to 140F/-30C to 60C Storage Humidity: 20% to 85% non-condensing
Electrical	Auto-detectable (PFC Compliant) 90-265 VAC, 47-63Hz, rated at 250 Watts ENERGY STAR qualified
Agency Approvals	IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3-cTUVs, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, S-Mark (Arg), CCC, CU, BSMI, KCC, SABS, IN-Metro

Print DNA Software Solutions

Development Tools	With faster, easier and smarter integration of Zebra printers with your devices and applications, your Zebra printing solutions are up and running in less time, with less cost
Management Tools	Minimize IT effort and maximize IT control with Print DNA management tools – the easy way to add and manage any number of printers, anywhere – from a handful of printers to thousands of printers all around the world.
Productivity Tools	Reach new levels of productivity with innovations that streamline tasks and workflow optimize device performance and solve tomorrow's printing problems today.
Visibility Tools	Regardless of whether or not you have an existing Mobile Device Management solution in place, robust Visibility Tools provide unparalleled insight into printer health, usage and performance.

Firmware

ZBI 2.0™ - Optional powerful programming language that lets printers run standalone 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.

XML-enabled Printing – allows XML communications for barcode label printing

Zebra ZT600 Series

Options and Accessories

Connectivity	Two open communication slots to add internal cards for 802.11ac, parallel, Ethernet, and applicator interface. IPv6 option is available as an external dongle attached to a parallel port
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 - Cutter: Front-mount guillotine cutter and catch tray - Ink-side in ribbon supply spindle
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
Display	Brightly lit, 4.3-inch full-color touch display with clear navigation and immediate status visibility and support
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 0 through software control
 Code Page 1250, 1252, 1253, 1254, 1255 Support with font 0
 32 MB user available DRAM
 512 MB user available on-board Flash

Barcode Symbolologies

Linear Barcodes	Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Codes, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2- or 5-digital extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code
Two Dimensional Barcodes	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, MicroPDF, RSS-14 (and composite), Aztec