

# ZT510



Designed to strike the ideal balance between performance and value, the ZT510 includes the core features you need in an industrial printer at a cost-effective price point. Building on the legacy of its industry-leading predecessor, the Zebra® 105SLPlus™, the ZT510 provides a proven, durable design and construction while adding advanced management and monitoring capabilities. That means you get 24/7 reliability to keep your operations running smoothly today, plus longevity and advanced functionality to power through every challenge in the years to come—all at an exceptional value.

Rating: Not Rated Yet

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### Description

#### More Standard Features

- Print Methods: Thermal transfer and direct thermal printing
- Construction: Metal frame
- Thin film printhead with E3™ Element Energy™ Equalizer for superior print quality
- Communications: USB, Serial, Gigabit Ethernet, Bluetooth® LE
- Backlit, multi-line display including an intuitive menu, easy-to-use keypad and password protection

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### Printer Specifications

#### Resolution:

- 203 dpi/8 dots per mm
- 300 dpi/12 dots per mm (optional)

#### Memory:

- 512 MB RAM memory
- 2 GB on-board linear Flash memory

#### Print width:

- 4.09"/104 mm

#### Print length:

- 203 dpi: 150"/3810 mm
- 300 dpi: 100"/2540 mm

#### Print speed:

## Midrange Printers: ZT510

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- 12 ips/305 mm per second

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### Media Characteristics

- Media types: Continuous, die-cut, notch, black-mark
- Media thickness (label and liner): 0.003"/0.076 mm to 0.012"/0.305 mm
- Maximum media roll size: 8.0"/203 mm O.D. on a 3"/76 mm I.D. core
- Media width (label and liner): 0.79"/20 mm to 4.5"/114 mm

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### Ribbon Characteristics

- Standard Lengths: 1476'/450 m
- Core: 1.0"/25.4 mm I.D.
- Ribbon width: 2.00"/51 mm to 4.33"/110 mm

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### Operating Characteristics

#### Environmental

#### Operating environment:

- 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: -22°F to 140°F/ -30°C to 60°C
- 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  
cTUVus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, S-Mark (Arg), CCC, CU, BSMI, KCC, SABS, IN-Metro

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### Physical Characteristics

Width: 10.56"/268.2 mm  
Height: 15.58"/395.68 mm  
Length: 20.17"/512.3 mm  
Weight: 50 lbs/22.7 kg

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### Programming Languages

**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.

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### Bar Codes/Symbologies

- 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-digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code
- 2D Barcodes: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, MicroPDF, RSS-14 (and composite), Aztec

#### 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