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ZT510 Specifications

STANDARD FEATURES	
• Print Methods: Thermal transfer and direct thermal printing • Construction: Metal frame • Thin film printhead with E³m 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	
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
Maximum Print Width	4.09"/104 mm
Maximum Print Speed	12 ips/305 mm per second
Media Sensors	Dual media sensors: transmissive and reflective
Maximum Continuous Print Length	• 203 dpi: 150"/3810 mm • 300 dpi: 100"/2540 mm
MEDIA CHARACTERISTICS	
Media Width	0.79"/20 mm to 4.5"/114 mm
Maximum Media Roll Size	8.0"/203 mm O.D. on a 3"/76 mm I.D. core
Thickness	0.003"/0.076 mm to 0.012"/0.305 mm
Media Types	Continuous, die-cut, notch, black-mark
RIBBON CHARACTERISTICS	
Standard Length	1476'/450 m
Width	2.00"/51 mm to 4.33"/110 mm
Core	1.0"/25.4 mm I.D.
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: -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
PHYSICAL CHARACTERISTICS	
Closed	
Length	20.17"/512.3 mm
Width	10.56"/268.2 mm
Height	15.58"/395.68 mm
Weight	50 lbs/22.7 kg

SOFTWARE TOOLS
Link-OS Solutions Document Design – Quickly design a customized print solution using your business data and Zebra's intuitive plug-and-print design tools. Device Integration – Zebra offers apps and products designed to help you integrate Zebra devices into your existing systems. Device Management – Manage your print operations locally and globally with Zebra's suite of device management tools. Developer Tools – Provides you the tools you need to create your own apps, including documentation, source code, programming languages, templates and more. Web View Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers. Alert Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired or wireless device to minimize downtime.
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. XML-enabled Printing – allows XML communications for barcode label printing.
BARCODE 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 O through software control Code Page 1250, 1252, 1253, 1254, 1255 Support with font O 32 MB user available DRAM 512 MB user available on-board Flash
OPTIONS AND ACCESSORIES
Connectivity • Two open communication slots to add internal cards for 802.11ac, parallel, Ethernet. IPv6 option is available as an external dongle attached to a parallel port Media Handling • 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 Keyboard Display Unit • ZKDU™ keyboard display units for stand-alone printing applications

Applications:

- Manufacturing**
- Product identification labeling
 - Packaging labeling
 - Receiving/Put-away labeling
 - Work-in-process
- Transportation & Logistics**
- Order picking/packing
 - Shipping/receiving
 - Cross-docking
 - Compliance labeling

Additional Features:

Near Field Communication (NFC)
Use with Print Touch Link-OS app to easily pair with Android devices.

Backlit multi-line display
Customizable display includes an intuitive menu, easy-to-use keypad and password protection.

Managed Visibility Services
Operational & Asset Visibility Services (OVS/AVS) offer important insights into the health, status, usage and performance of your printer.

Field-installable upgrades
Communication card slots, cutter and peeler are easy to install in the field.

Advanced troubleshooting
Onboard sensors, diagnostics and how-to videos enable guided troubleshooting.



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