

ZT510 Industrial Printers

TAKING THE 105SLPLUS TO A NEW LEVEL WITH EXPANDED PERFORMANCE AND VALUE

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.



Outstanding performance at an understated price

- 24/7 reliability to eliminate downtime
- Unrivalled durability in the toughest conditions
- Value that won't break your budget
- A variety of connectivity options for flexible configuration
- Adaptability to meet evolving needs
- Additional capabilities that improve performance

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
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 with Bluetooth 4.0, parallel, USB Host. 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

