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.

Link-OS® for greater visibility, remote management and easier maintenance

Zebra's highly intelligent, best-in-class Link-OS environment provides greater insight into the real-time status and functions of your printing processes. With Link-OS, you can use a single cloud-based application to manage routing, firmware updates, printer configuration and more, on-site or remotely. And applications like Virtual Devices, Profile Manager, Near Field Communication (NFC) and Print Touch make it easy to integrate, update and contact support.

Outstanding performance at exceptional value

Zebra's industrial printers are well-known for their durability, fast print speed, long life span and unparalleled reliability. The budget-friendly ZT510 carries on that legacy, with:

24/7 reliability to eliminate downtime

You need printing systems that can support your critical processes and keep you ahead of increasing demands. The ZT510 features Zebra's world-renowned, high-quality print mechanisms and internal components to ensure flawless 24/7 performance, provide consistently outstanding quality and virtually eliminate costly downtime.

Unrivaled durability in the toughest conditions

With an all-metal design, rugged construction and sealed dome buttons to prevent ingress of dust, dirt and moisture, the ZT510 is right at home in today's harshest manufacturing and warehouse environments. This durable workhorse is engineered to withstand years of continuous operation, plus extreme temperatures, debris, rough handling and more.

Made for iPod iPhone iPad

Link-OS®

ENERGY STAR

The ZT510 – Next-Gen Printing at a Budget-Friendly Value.

For more information, visit www.zebra.com/zt510
or access our global contact directory at www.zebra.com/contact

Value that won’t break your budget

The ZT510 is ideal for cost-conscious companies, offering next-generation print performance at an exceptional value. It provides high duty cycle, rugged reliability, fast processing, advanced Link-OS™ capabilities and all the basic features you need—without the added cost of those you don’t. It’s even ENERGY STAR® qualified to further protect your bottom line.

A variety of connectivity options for flexible configuration

Featuring a variety of standard communication options including USB, Serial, Gigabit Ethernet and Bluetooth® LE, the ZT510 is easy to integrate into existing systems and connect to various networks. Optional Parallel, 802.11a/c with Bluetooth® 4.0, USB Host and IPv6 are also available.

Adaptability to meet evolving needs

The ZT510 is engineered to grow and change with your business needs in the future by simplifying hardware upgrades, integrating seamlessly with common device management software and streamlining software updates with easy-to-use Link-OS applications.

Additional capabilities that improve performance

From the fast processor that enables quick throughput of even complex graphics to the optional USB Host card slot conveniently located on the back of the printer, the ZT510 optimizes performance at every turn. And dynamic QR codes provide additional “on-demand,” web-based support to resolve printer errors quickly.

Specifications

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

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

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 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

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 portMedia 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 trayKeyboard Display Unit
• ZKDU™ keyboard display units for stand-alone printing applications

Markets and Applications

Manufacturing

• Product identification labeling
• Packaging labeling
• Receiving/Put-away labeling
• Work-in-process

Transportation and Logistics

• Order picking/packing
• Shipping/receiving
• Cross-docking
• Compliance labeling

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 and 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.

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

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