



# Zebra® LP/TLP 2824 Plus™



SEE MORE. DO MORE.



## A Powerful, Ultra-Compact Printer

One of the smallest in its class, the easy-to-use 2824 Plus desktop printer tucks into your tightest work spaces and prints 2-inch-wide labels or receipts with best-in-class print speeds. The 2824 Plus includes Zebra Setup Utilities, which guides you through simple setup steps so you can get up and running quickly. It also includes an OpenACCESS™ design and clear media window for simple media loading and monitoring.

## Better Performance, More Flexibility

A robust 32-bit RISC processor increases throughput and productivity with faster formatting and first label out. For greater flexibility and enhanced performance, choose from a variety of options like convenient peeler and cutter, and 64 MB Flash memory that lets you store and use more graphics and fonts. With co-resident EPL™ and ZPL® programming languages, the 2824 Plus works seamlessly with other Zebra printers, while serial/parallel/USB connectivity and optional 10/100 Ethernet allow easy system integration.

## Ideal for These Applications

Great for anyone who needs an easy-to-use, reliable printer for space-constrained areas, the 2824 Plus can be used in a variety of printing applications, including:

**Retail:** price marking, coupon and receipt printing, pharmacy prescription labeling

**Healthcare:** specimen labeling, patient tracking

**Manufacturing:** light-industrial work-in-process and product labeling

**Security:** visitor ID, evidence tracking, parking passes

**Travel & Hospitality:** boarding passes, bag tags, ski lift tickets

# SPECIFICATIONS AT A GLANCE\*

## Printer Name

LP/TLP 2824 Plus

## Standard Features

- Print methods: Thermal transfer (TLP) or direct thermal (LP)
- Programming language: EPL™ and ZPL® are standard
- Construction: Dual-wall frame, reinforced plastic
- OpenACCESS™ for easy media loading
- Quick and easy ribbon loading
- Auto calibration
- 32-bit RISC processor
- Reset button defaults to factory and/or network settings
- Unicode™ compliant
- Head up sensor
- Certified Microsoft® Windows® drivers
- Standard tear-off mode
- Serial port auto detection
- ENERGY STAR® qualified

## Printer Specifications

- Print speed: Maximum 4"/102 mm per second
- Print width: 2.2"/56 mm
- Print length: Maximum 39.0"/990 mm

## Resolution

- 203 dpi/8dots per mm

## Memory

- 4 MB Flash, 8 MB SDRAM (standard)
- 64 MB Flash with real-time clock for a total of 68 MB (option)

## Media Sensors

- Standard: Fixed reflective and transmissive sensors

## Media Characteristics

- Media length: 0.38"/9.7 mm to 39"/990 mm
- Media width: 1.00"/25.4 mm to 2.36"/60 mm
- Media width w/ 2" Media Guide: 0.585"/15 mm to 1.44"/36.6 mm
- Maximum media roll size: 5"/127 mm O.D. on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core
- Media thickness: 0.003"/0.08 mm to 0.007"/0.18 mm
- Media types: Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands, and optional liner-free direct thermal media

## Ribbon Characteristics (TLP only)

- Outside diameter: 1.36"/35 mm
- Standard length: 244'/74 m
- Ratio: 1:1 media to roll to ribbon
- Width: 1.33"/33.8 mm to 2.4"/58 mm
- Core (I.D.): 1.00"/25.4 mm, 1.5"/38 mm

## Operating Characteristics

### Environmental

- Operating Temp: 40° F/5° C to 105° F/41° C
- Storage Temp: -40° F/40° C to 140° F/60° C
- Operating Humidity: 10% to 90% non-condensing R.H.
- Storage Humidity: 5% to 95% non-condensing R.H.

### Electrical

- Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz
- ENERGY STAR qualified printer

### Agency Approvals

- Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
- Emissions and Susceptibility: (CE): EN55022 Class-B, EN61000-3-2, EN61000-3-3 and EN55024
- Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A3 +A4, UL 60950 and C-UL, IRAM NOM, AAMI

### Physical Characteristics

	Direct Thermal	Thermal Transfer
Width:	4.37"/111 mm	5.3"/135 mm
Height:	6.75"/171 mm	7.0"/178 mm
Depth:	8.5"/216 mm	9.5"/241 mm
Weight:	2.7 lbs/1.2 kg	3.5 lbs/1.6 kg

## ZebraLink™ Solutions

### Software

- Zebra Setup Utilities—Windows utility drivers to set up and configure your Zebra printer
- ZebraDesigner™ Pro—An intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner—Offers basic features for simple label design
- ZebraNet™ Bridge Enterprise—Centrally manage Zebra printers from a single PC screen anywhere on your global network
- ZebraNet Utilities v7.0—provides enhanced printing, conversion and administration capabilities; message management; and more
- Zebra Universal Driver—The most powerful driver available from Zebra
- Web View—Connect and control Zebra barcode printers via the printer's Web interface using a common Web browser using ZPL II®
- 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™—Powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more (option)
- ZBI-Developer™—Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer (standard with ZBI 2.0)
- ZPL II®—Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with tabletop and mobile Zebra printers
- EPL2™—Eltron Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications

- EPL—Line Mode support (LP 2824 Plus) enables format compatibility with legacy applications

## Communication and Interface Capabilities

- Centronics® parallel (36 pin) connector ports
- RS-232 Serial with USB V1.1 interface
- 10/100 internal Ethernet with USB V1.1 (option)

## Barcode Symbolologies

### ZPL Barcode Symbolologies

- Barcode Ratios: 2:1 (non-rotated) and 3:1
- Linear barcodes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, and GS1 DataBar (formerly RSS)
- 2-Dimensional: PDF417, MicroPDF417, Code 49, Maxicode, Codablock, Data Matrix, QR code, Aztec

### EPL Barcode Symbolologies

- Linear barcodes: Code 39, Code 128A, B & C (User selectable/Auto), UCC/EAN-128, Code 93, Codabar, Interleaved 2 of 5, UPC-A, UPC-E, UPC-A with 2 and 5 add on, UPC-E with 2 and 5 add on, EAN 13, EAN 8, EAN 13 with 2 and 5 add on, EAN 8 with 2 and 5 add on, Postnet (5, 9, 11, & 13 digit) Japanese Postnet, Plessey (MSI-1), MSI-3, German Post Code, and GS1 DataBar (formerly RSS)
- 2-Dimensional: Maxicode (modes 2,3,4,6), PDF417, MacroPDF417, QR Code, Data Matrix, and Aztec

## Fonts/Graphics

- 16 resident expandable ZPL fonts
- One resident scaleable ZPL font
- Five resident expandable EPL2 fonts
- Supports user-defined fonts and graphics—including custom logos

## Options and Accessories

- Dispenser—label peel and present with label taken sensor
- Cutter for use on the following media types with maximum thickness of 0.0007"/0.18 mm and minimum label length of 1.0"/25.4 mm:
  - Continuous paper—Most receipt or fax paper is generally acceptable
  - Label liner—Cuts on the liner only. Cutter should not be used to cut through labels as adhesives may cause jams
  - Tag stock—Tag stock is generally acceptable as long as it is no more than 0.07"/0.18 mm thickness
- 10/100 internal Ethernet
- 64 MB Flash memory with real-time clock
- Media Adaptor Guide (LP only)—Supports wristband media
- Font Packs—Asian and other international font kits
- Liner-free Platen (LP only)—For use with liner-free media
- KDU and KDU Plus—Keyboard display units for stand-alone printing applications
- ZBI 2.0 and ZBI-Developer—field installed



**Corporate Headquarters**  
+1 800 423 0442  
inquiry4@zebra.com

**Asia-Pacific Headquarters**  
+65 6858 0722  
apacchannelmarketing@zebra.com

**EMEA Headquarters**  
+44 (0)1628 556000  
mseurope@zebra.com

**Latin America Headquarters**  
+1 847 955 2283  
inquiry4@zebra.com

**Other Locations / USA:** California, Georgia, Illinois, Rhode Island, Texas, Wisconsin  
**Europe:** France, Germany, Italy, the Netherlands, Poland, Spain, Sweden, Turkey, United Kingdom  
**Asia Pacific:** Australia, China, Hong Kong, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam  
**Latin America:** Argentina, Brazil, Colombia, Florida (LA Headquarters in USA), Mexico  
**Africa/Middle East:** Dubai, South Africa

\*Specifications subject to change without notice.

©2014 ZIH Corp. OpenACCESS, EPL, EPL2, ZebraLink, ZBI 2.0, ZBI-Developer and all product names and numbers are Zebra trademarks, and Zebra, the Zebra head graphic, ZPL and ZPL II are registered trademarks of ZIH Corp. All rights reserved. Unicode is a trademark of Unicode, Inc. Microsoft and Windows are registered trademarks of Microsoft Corporation. ENERGY STAR and the ENERGY STAR mark are registered marks owned by the U.S. government. Centronics is a registered trademark of Centronics Data Computer Corporation. All other trademarks are the property of their respective owners.

Rev. 4 (3/14)