

Zebra® LP 2824 Plus™ & TLP 2824 Plus™ printers



Two-inch (56mm) on-demand thermal printers for labels, receipts, tags and wristbands

Leading the way in versatile and affordable desktop printing

These space-saving, user-friendly printers bring new levels of performance to the Zebra Desktop family. The direct-thermal LP 2824 Plus or combined direct-thermal/thermal-transfer TLP 2824 Plus are perfect for patient identification, pharmacy labelling, retail product and shelf labelling or any other application where precise narrow output is required.

Superior performance at a small price

These elegant little printers from Zebra bring fast, professional labelling to your desk, small office, laboratory or anywhere you need to print small numbers of bar-code labels, receipts and tags. They are robust with a double-walled ABS casing and offer many "big printer" features at an extremely affordable price.

However, they are designed for ease of use, so even complete beginners will find them easy to set up and operate.

Key features:

- Label handling options include:
 - Label dispenser with label present sensor
 - Cutter
- Serial, USB or parallel configurations
- Ethernet network connection via a factory-installed internal ZebraNet® Print Server option
- Co-resident command language
- Unicode™
- ZBI 2.0™

Zebra offers a wide range of supplies for LP/TLP 2824 Plus printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads

► For more information, visit www.zebra.com

Specifications at a glance*

Standard features

- Print methods: Direct thermal or thermal transfer
- Programming languages: EPL™ and ZPL® as standard
- Construction: Dual-wall frame
- OpenACCESS™ for easy media loading
- Auto-calibration of media
- 32-bit RISC processor
- Odometer
- Unicode
- Hardware reset button

Printer specifications

Resolution

- 8 dots/mm (203dpi)

Memory

- Standard: 4MB flash; 8MB SDRAM
- Optional: 64MB (68MB total) flash with RTC

Print width

- 56mm (2.2")

Maximum print length

- 990mm (39.0")

Maximum print speed

- 102mm (4") per second

Media sensors

- Fixed reflective and transmissive sensors

Media characteristics

Maximum label and liner length

- Maximum non-continuous: 990mm (39")

Maximum label and liner width**

- 19mm (0.75") to 60mm (2.36")

Maximum media roll size

- 127mm (5") O.D.

Media thickness

- 0.076mm (0.003") to 0.18mm (0.0071")

Media types

- Roll-fed or fanfold, die-cut or continuous direct-thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands

Ribbon characteristics

Outside diameter

- 35mm (1.36")

Length

- 74m (244') when using 0.08mm ribbon thickness

Ratio

- 1:1 media roll to ribbon

Width

- 33mm (1.30") and 57mm (2.24")

Core inner diameter

- 12.7mm (0.5")

Operating characteristics

Environmental

- Operating temperature: 4.4°C to 41°C (40°F to 105°F)
- Storage temperature: -40°C to 60°C (-40°F to 140°F)
- Operating humidity: 5% to 95% non-condensing
- Storage humidity: 5% to 95% non-condensing

Electrical

- Auto-detectable (PFC-compliant) 100–240VAC, 50–60Hz

Agency approvals

- Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
- Emissions and Susceptibility: (CE): EN 55022 Class B, EN 61000-3-2, EN 61000-3-0 and EN 55024, CCC
- Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, TÜV, NRTL, IRAM, NOM, AAMI, CCC

Physical characteristics

Width

- Direct thermal 107mm (4.2")
- Thermal transfer 126mm (5.0")

Height

- Direct thermal 176mm (6.9")
- Thermal transfer 178mm (7.0")

Depth

- Direct thermal 214mm (8.4")
- Thermal transfer 235mm (9.3")

Weight

- Direct thermal 1.2kg (2.7lb)
- Thermal transfer 1.6kg (3.5lb)

ZebraLink™ Solutions

Software

- ZebraDesigner™ driver
- ZebraDesigner Pro
- ZebraDesigner
- ZebraNet Bridge Enterprise
- Zebra setup utilities
- Zebra universal driver
- ZBI-Developer™

Firmware

- EPL2™
- EPL line mode (Direct thermal only – LP 2824 Plus printer only)

- ZPL II®
- XML-enabled printing
- ZBI 2.0
- Web View
- Alert

Communication and Interface capabilities

- RS-232 serial interface, DB-9
- USB 1.1, bi-directional
- Parallel (Centronics®), bi-directional
- ZebraNet 10/100 Print Server (optional)

Fonts/graphics/symbologies

Fonts and character sets

- 16 resident expandable ZPL II bitmap fonts
- One resident scalable ZPL font
- Five resident expandable EPL2 fonts
- Native OpenType™ font support
- Unicode-compliant for multi-language applications

Graphics features

- Supports user-defined fonts and graphics including custom logos
- ZPL II drawing commands for boxes and lines

Bar code symbologies

- Bar code ratios: 2:1 (non-rotated) and 3:1 for EPL and ZPL except where noted
- Linear bar codes: Codabar, Code 11 (ZPL), Code 39, Code 93, Code 128, EAN-8, EAN-13, EAN-14 (ZPL), German Post Code (EPL), GS1 DataBar (RSS), Industrial 2-of-5 (ZPL), Interleaved 2-of-5, ISBT-128 (ZPL), Japanese Postnet (EPL), Logmars (ZPL), MSI, Plessey, Postnet, Standard 2-of-5 (ZPL), UCC/EAN-128 (EPL), UPC-A, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, UPC and EAN 2 or 5 digit extensions (ZPL)
- Two-dimensional: Codablock (ZPL), Code 49 (ZPL), Data Matrix, (ZPL), MaxiCode, MicroPDF417, PDF417, QR Code

Options and accessories

- Label dispenser with label-present sensor
- ZebraNet 10/100 Print Server – internal or external Ethernet options for network communication and printing
- Cutter for various media types
- Font packs – Asian and other international font kits
- KDU Plus™ and KDU keyboard display units for standalone printing solutions

Thinking about mobilising your workforce?

The use of mobile printers in a warehouse or supply-chain environment improves productivity and provides a fast return on investment.

▶ To find out how your business could benefit from a Zebra mobile-printing solution, please visit www.zebra.com

*Specifications subject to change without notice.

** Use of the optional media adaptor kit supports narrow media such as wristbands from widths between 15mm (0.59") and 37mm (1.46"). LP 2824 Plus printer only.

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