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

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) 100-240VAV, 50-60Hz

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 Symbologies

ZPL Barcode Symbologies

- 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 Symbologies

- 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