



Zebra® LP/TLP 2824™

Thermal, On-demand Label, Receipt,
and Tag Printers

Leading the way in versatile and affordable desktop printing.

Ideal for retail and other low- to mid-volume label applications, the two-inch LP/TLP 2824 desktop bar code label printers redefine the compact printer class—they fit into areas other printers cannot, withstand rough handling and integrate easily into a wide range of applications.

Small Size – High Performance

The 2824 ultra-compact printers incorporate proven design features needed in today's demanding label printing applications. A five-inch media roll capacity and clear media window optimize productivity while a maximum print speed of four inches per second enables fast job processing. The LP/TLP 2824 feature Zebra's OpenACCESS™ design for easy label loading, while dual-walled construction offers durability unprecedented for a desktop printer. And your customers have a variety of connectivity choices including serial, parallel, USB, and internal or external ZebraNet® PrintServer II interfaces.

The LP/TLP 2824 are perfect for low-volume printing needs in business and professional offices including:

- Retail point of sale, shelf labeling, and product marking
- Healthcare specimen labeling and patient tracking
- Inventory and asset management
- Small office/Home office mailing, shipping, and file folder labeling



Connect with it. Count on it.™

LP 2824™ TLP 2824™



Specifications at a Glance*

STANDARD FEATURES

Print method: Direct thermal (LP) or direct thermal/thermal transfer (TLP)
Construction: ABS double-walled casing
OpenACCESS™ design
Head-up sensor
Windows® drivers (95, 98, NT v.4.0, 2000, XP)
Windows printer utilities

Programming Languages

ASCII EPL2 programming language (Page Mode)
Text and bar codes printed in 0°, 90°, 180°, 270°
Variable field support (up to 100)
Counter support (up to 10)
Variable field addition and subtraction
Status reporting
Graphics and font storage
Line mode support (LP 2824)

OPERATING CHARACTERISTICS

Environment

Operating Temp. 40° F/5° C to 104° F/40° C
Storage/Transport Environ. -40° F/-40° C to 140° F/60° C
Operating Humidity 10-90% non-condensing
Storage Humidity 10-90% non-condensing

Electrical

Autoranging external power supply
Input: 100-240 VAC; 50-60 Hz
Output: 20 VDC; 2.5 A

Communication Interface Capabilities

Serial RS232 (DB9): 2.4-38.4 K bits/second
Centronics
USB v.1.1

Agency Approvals

UL-CUL 1950; FCC (Class B); VCCI (Class B);
C-TICK; EN 500082-1; EN 55022 (Class B)/CISPR
24; EN 55024/CISPR 24; EN 60950/IEC 950;
EN 61000-3-2, 3-3, CCC/CCIB, NOM

MEDIA CHARACTERISTICS

Labels

Max Roll Size: 5" /127 mm O.D. on a 1" /25 mm or 1.5" /38 mm I.D. core
Thickness (label & liner): .003" / .08 mm to .007" / .18 mm
Media Types: Gap, notch, black mark, continuous, fanfold, tag stock

Ribbons (TLP 2824 only)

Ribbon is recommended to be at least as wide as media.
Max. Roll Size: 1.34" /34 mm O.D. on a .5" /12.7 mm I.D. core
Standard Length: 2,900" /74 m capacity; provides 1:1 media roll to ribbon ratios
Ribbon Setup: Ribbon wound ink side out
For optimum print quality and print engine performance, use Genuine Zebra supplies.

FONTS/GRAPHICS/SYMBOLOLOGIES

Fonts and Character Sets

Standard Fonts: 5 bitmapped, expandable 8x
Sets: International character sets supporting the following code pages:
DOS: 437, 737, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869
Windows: 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257
Asian language support (optional)
Soft font storage in Flash memory

Graphic Features

Line and box drawing
PCX graphic storage

Bar Code Symbolologies

Linear Bar Codes: Code 39, Code 128 (A, B or C user selectable/Auto select), UCC/EAN-128, Code 93, Codabar, Interleaved 2 of 5, UPC-A, UPC-E, UPC-A with 2 and 5 add on, Plessey, POSTNET, German Post, Japanese Postnet
2-Dimensional: PDF-417, Macro PDF-417, Maxi Code (Modes 2, 3, 4, 6), QR Code (requires Asian printer version), DataMatrix (optional)

OPTIONS AND ACCESSORIES

ZebraNet® PrintServer II for Ethernet connectivity (external requires parallel interface)
Expanded memory (up to 1 MB Flash; 256 KB SRAM)
Keyboard display unit (KDU) (serial units only)
Liner-free platen (LP 2824 only)
Cutter
Dispenser with label taken sensor
Real-time clock
External rewind
Asian language support
Windows label design software

MAXIMUM PRINT AREA

Width: 2.2" /56 mm
Length in page mode (2" wide):
11" /279 mm (with standard memory)
22" /558 mm (with optional memory)
Length in line mode:
Unlimited

RESOLUTION

203 dpi/8 dots per mm

MAXIMUM PRINT SPEED

4" /102 mm per second

MEMORY

Standard: 512 KB Flash; 128 KB SRAM
Optional: up to 1 MB Flash; 256 KB SRAM

PHYSICAL CHARACTERISTICS

LP 2824

Width: 3.6" /93 mm
Depth: 7.5" /190 mm
Height: 6.8" /173 mm
Weight: 2.7 lbs./1.2 kg

TLP 2824

Width: 5.5" /140 mm
Depth: 9.5" /242 mm
Height: 7" /178 mm
Weight: 3.5 lbs./1.6 kg

MEDIA SPECIFICATIONS

Label and liner width:
1" /25.4 mm to 2.4" /61 mm
Ribbon width (TLP 2824 only):
1.3" /33 mm to 2.24" /58 mm

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.

HEADQUARTERS Zebra Technologies International, LLC **T:** +1 847 793 2600 or +1 800 423 0442 **F:** +1 847 913 8766
ADDRESS: 333 Corporate Woods Parkway, Vernon Hills, IL 60061-3109 U.S.A. **WEB:** www.zebra.com

OTHER LOCATIONS **USA:** California, Florida, Rhode Island, Wisconsin **EUROPE:** Denmark, France, Germany, Italy, South Africa, United Kingdom **ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea **LATIN AMERICA:** Argentina, Brazil, Mexico **MIDDLE EAST:** United Arab Emirates



An ISO 9001 registered company
©2003 ZIH Corp.
Printed in U.S.A.
#11167L Rev. 5 (9/03)