



## 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 ensure maximum 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, internal or external ZebraNet PrintServer II, and cash drawer kicker 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: 100-240VAC; 50-60Hz  
Output: 20VDC; 2.5A

#### Communication Interface Capabilities

Serial RS232 (DB9): 2.4-38.4K bits/second  
Parallel IEEE 1284  
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" /127mm O.D. on a 1" /25mm or  
1.5" /38mm I.D. core  
Thickness (label & liner): .003" / .08mm to  
.007" / .18mm  
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" /34mm O.D. on a .5" /12.7mm  
I.D. core  
Standard Length: 2,900" /74m 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  
(internal and external)  
Expanded memory (up to 1MB Flash; 256KB  
SRAM)  
Cash drawer kicker (serial units only)  
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" /56mm  
Length in page mode (2" wide):  
11" / 279mm (with standard memory)  
22" /558mm (with optional memory)  
Length in line mode:  
Unlimited

### RESOLUTION

203dpi/8dots per mm

### MAXIMUM PRINT SPEED

3.5" /89mm per second

### MEMORY

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

### PHYSICAL CHARACTERISTICS

LP 2824  
Width: 3.6" /93mm  
Depth: 7.5" /190mm  
Height: 6.8" /173mm  
Weight: 2.7lbs./1.2kg

TLP 2824  
Width: 5.5" /140mm  
Depth: 9.5" /242mm  
Height: 7" /178mm  
Weight: 3.5lbs./1.6kg

### MEDIA SPECIFICATIONS

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

\*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 **WEB:** www.zebra.com  
**ADDRESS:** 333 Corporate Woods Parkway, Vernon Hills, IL 60061-3109 U.S.A.  
**PHONE:** +1 847.634.6700 or +1 800.423.0442 **FAX:** +1 847.913.8766

#### OTHER LOCATIONS

**USA:** California, Florida, Rhode Island, Wisconsin **EUROPE:** France, Germany, Italy, United Kingdom  
**ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea **MIDDLE EAST:** United Arab Emirates



An ISO 9001 registered company  
©2002 ZIH Corp.  
Printed in U.S.A.  
#11167L, Rev. 4 (9/02) 10M