



## 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, 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: 100-240 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)  
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" /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.

