



## Zebra® LP/TLP 2844-Z™

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

### **Affordable desktop printers deliver unmatched performance and versatility.**

Direct thermal (LP) and thermal transfer (TLP) 2844-Z™ bar code label printers bring powerful performance to applications requiring a space-saving, desktop-size, four-inch printer. Enhanced with a 32-bit microprocessor for fast label-processing throughput, and with print speeds of up to four inches per second, LP/TLP 2844-Z printers provide productivity unparalleled in their class. Their ease of use, including their OpenACCESS™ design and clear media window for simple media loading and monitoring, makes them a foolproof means to increased workplace efficiency.

### **Flexible Connectivity**

With serial, parallel, and USB interfaces, plus an internal or external ZebraNet® PrintServer II option for easy connection to your network, LP/TLP 2844-Z printers meet a variety of connectivity needs. They are fully compatible with Zebra Programming Language (ZPL II®) for seamless integration with other Zebra printers. They also offer ZebraLink™ real-time connectivity and control for centralized printer management. For superb performance for the price, nothing beats the LP/TLP 2844-Z's robust combination of economy, "horsepower," and flexibility.

The LP and TLP 2844-Z integrate easily into a variety of lower-volume printing applications including:

- Shipping/Receiving
- Warehouse shelf labeling and inventory control
- Healthcare specimen labeling and patient tracking
- Retail product marking, shelf labeling, and coupon and receipt printing
- Transportation/Logistics
- E-commerce postage



Connect with it. Count on it.™



## LP 2844-Z™ TLP 2844-Z™



Sturdy, dual-wall, high-density plastic construction ensures LP and TLP 2844-Z printers survive high-traffic environments.

### MAXIMUM PRINT AREA

Width: 4.09"/104 mm

Length: 39"/990 mm (with standard memory)

### RESOLUTION

203 dpi/8 dots per mm

### MAXIMUM PRINT SPEED

4"/102 mm per second

### MEMORY

Standard: 4MB Flash (2.75 available to user)

8MB SDRAM (4MB available to user)

Optional: 8 MB Flash (for a total of 12MB with a total of 10.75 MB available to user)

### PHYSICAL CHARACTERISTICS

#### LP 2844-Z

Width: 7.9"/200 mm

Depth: 8.38"/213 mm

Height: 6.7"/170 mm

Weight: 3 lbs./1.3 kg

#### TLP 2844-Z

Width: 7.9"/200 mm

Depth: 9.75"/248 mm

Height: 6.8"/173 mm

Weight: 3.2 lbs./1.4 kg

### MEDIA SPECIFICATIONS

Label and liner width:

1"/25.4 mm to 4.25"/108 mm

## Specifications at a Glance\*

### STANDARD FEATURES

Print methods: Direct thermal (LP) or direct thermal/thermal transfer (TLP)

Construction: ABS double-walled casing  
4MB Flash memory (2.75 available to user)

8MB SDRAM (4 MB available to user)

OpenACCESS™ Design

Serial, Parallel & USB interfaces

ZebraLink™ enabled

32 bit RISC processor

Zebra E³® Printhead Energy Control

Scalable fonts

Transmissive and Reflective media sensing

Head-up sensor

### Programming Language

ZPL® or ZPL II® Universal language for Zebra printers.

Simplifies label formatting and enables compatibility with other Zebra printers.

ZBI™ - controls and interprets text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN or wireless network via email or TCP/IP messaging.

### OPERATING CHARACTERISTICS

#### Environment

Operating Temp. 40° F/5° C to 105° F/41° C

Storage/Transport Environ. -40° F/-40° C to 140° F/60° C

Operating Humidity 10-80% non-condensing

Storage Humidity 10-90% non-condensing

#### Electrical

Autorangeing external power supply

Input: 100-240 VAC; 50-60 Hz

Output: 20 VDC; 2.5 A

#### Communication Interface Capabilities

Serial RS232 (DB9)

Centronics® Parallel (36 pin)

USB v 1.1

Internal Ethernet

(with optional ZebraNet PrintServer II)

#### 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  
+A4, UL 60950 and C-UL, IRAM, NOM, AAMI

### MEDIA CHARACTERISTICS

#### Labels

Max. Roll Size: 5"/127 mm O.D. on a 1"/25.4 mm  
or 1.5"/38 mm I.D. core

Thickness (label & liner): 0.003"/0.08 mm to  
0.0075"/0.19 mm

Media Types: Roll-fed or fan-fold, die cut or continuous direct thermal labels with or without black mark, tag stock

For optimum print quality and print engine performance, use Genuine Zebra® supplies.

### Ribbon Specifications

NOTE: For optimum print quality and printer performance, use of Zebra genuine ribbon is recommended as well as a notched ribbon core.

Ribbon Width: 1.30 inches (33 mm) to 4.30 inches (110 mm).

Ribbon Capacity: The capacity of the ribbon roll is to be sufficient enough to completely print one roll of media. (1 roll of 5"OD media is the full ribbon capacity)

Core ID: 0.5" (13 mm).

Ribbon OD: 1.36" (35 mm).

Ribbon Length: 244' (74m) using 0.000328" ribbon thickness

Ribbon Type: Wax, wax/resin and resin.

### Fonts/Graphics/SYMBOLOGIES

#### Fonts and Character Sets

Standard Fonts: 16 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)

Sets: IBM® Code Page 850 international character set

Optional European and Asian fonts

#### Graphic Features

Supports user defined fonts and graphics – including custom logos

ZPL II drawing commands – including boxes and lines

#### Bar Code Symbolologies

Linear Bar Codes: 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

2-Dimensional: PDF417, MicroPDF-417, Code 49, Maxicode, Codablock, Datamatrix, and QR code

### OPTIONS AND ACCESSORIES

Expanded memory - up to 8 MB Flash with Real Time Clock (for a total of 12MB, 10.75 MB user available)

Dispenser – Label peel and present with label taken sensor.

ZebraNet™ Print Server II – (internal or external via parallel connection only) enables network print capability.

BAR-ONE® software - Windows®-based "WYSIWYG" European & Asian font sets

Cutter

Liner-free Platen (LP only)

External rewinder

\*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 **PHONE:** +1 847.634.6700 or +1 800.423.0442 **FAX:** +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, United Kingdom  
**ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea **LATIN AMERICA:** Argentina, Brazil  
**MIDDLE EAST:** United Arab Emirates



An ISO 9001 registered company  
©2003 ZIH Corp.  
Printed in U.S.A.  
#13087L (1/03) 10M