# LP/TLP 2844-Z™
# TLP 3844-Z™

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

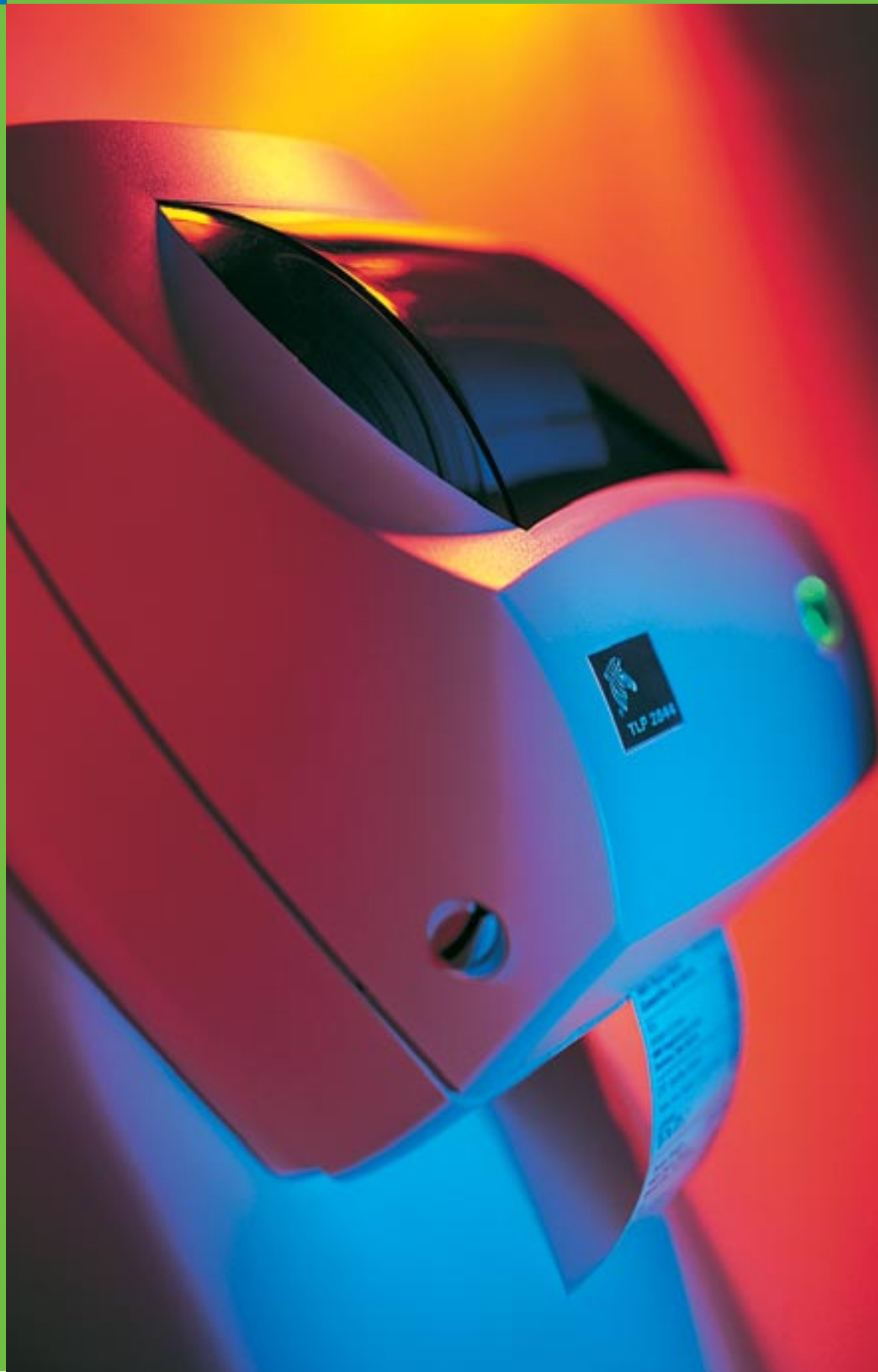## Affordable desktop printers deliver unmatched performance and versatility

Direct thermal (LP 2844-Z) and thermal transfer (TLP 2844-Z and TLP 3844-Z) bar code label printers bring powerful performance to applications requiring a space-saving desktop printer.

## 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 and TLP 3844-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 centralised printer management.

**Reliability on demand™**

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### Robust

Sturdy, dual-wall, high-density plastic construction ensures printers survive high-traffic environments.

### Unrivalled performance in their class

- 32-bit microprocessor for fast label-processing
- Print speeds of up to 102mm per second.

### Ease of use

- OpenACCESS™ design
- Clear media window for easy media monitoring

**For further information on these products, please visit the Zebra web site at:**
**www.zebra.com**

## Standard Features

- Print methods: Direct thermal (LP) or direct thermal/thermal transfer (TLP)
- Construction: ABS double-walled casing
- 4MB flash memory (2.75MB available to user); 8MB SDRAM (4MB available to user)
- OpenACCESS™ design
- Serial, parallel and USB interfaces
- ZebraLink™-enabled
- 32-bit RISC processor
- Zebra's E³® Print-head Energy Control
- Scalable fonts

- Transmissive and reflective media sensing
- Head-up sensor

### Programming Languages

- ZPL® and 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 e-mail or TCP/IP messaging

## Operating Characteristics

### Environment

- Operating Temperature 5°C (40°F) to 41°C (105°F)
- Storage/Environment -40°C (-40°F) to 60°C (140°F)
- Operating Humidity 10 to 90% non-condensing
- Storage Humidity 5 to 95% non-condensing

### Electrical

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

### Communication Interface Capabilities

- Serial RS232 (DB9)
- Centronics® Parallel (36-pin)
- USB version 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 and Tags

Max. Roll Size
- 127mm (5") O.D. on a 25.4mm (1") I.D. core or 38mm (1.5") I.D. core

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

Media Types
- Roll-feed or fanfold, die-cut or continuous direct thermal labels with or without black mark, tag stock

### Ribbons

Ribbon Width
- 33mm (1.30") to 110mm (4.30")

Core I.D.
- 13mm (0.5")

Ribbon O.D.
- 33mm (1.3")

Ribbon Length
- 74m (244') using 0.0083mm ribbon thickness

Ribbon Type
- Wax, wax/resin and resin

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

## Fonts/Graphics/Symbologies

### Fonts and Character Sets

- Standard Fonts: 16 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)
- IBM® Code Page 850 International character set
- Optional European and Asian font sets

### Graphic Features

- Supports user-defined fonts and graphics – including custom logos
- ZPL II drawing commands – including boxes and lines

### Bar Code Symbologies

- Linear Bar Codes: Code 11; Code 39; Code 93; Code 128 with subsets A/B/C and UCC Case Codes; Codabar; Industrial 2 of 5; Standard 2 of 5; Interleaved 2 of 5; ISBT 128; LOGMARS; MSI; Plessey; UCC/EAN-128; UPC-A, UPC-E, EAN 8, EAN 13 with 2 or 5 digit extensions
- 2-Dimensional Codes: Maxicode; Datamatrix; CODABLOCK; Micro PDF-417; Code 49; QR code; TLP 3844-Z only 2-Dimensional RSS composite; RSS-14 (Limited, truncated, stacked)

## Options and Accessories

- Expanded memory – up to 8MB flash with real-time clock (for a total of 12MB, 10.75MB 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 – Microsoft® Windows®-based "WYSIWYG" European & Asian font sets
- Cutter
- Liner-free platen (LP only)
- External rewinder

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## LP/TLP 2844-Z™    TLP 3844-Z™

The LP/TLP 2844-Z and TLP 3844-Z integrate easily into a variety of lower-volume printing applications including:

- Shipping/receiving
- Warehouse shelf labelling and inventory control
- Healthcare specimen labelling and patient tracking

- Retail product marking, shelf labelling and coupon and receipt printing
- Transportation/logistics
- E-commerce postage

### ZebraLink

ZebraLink, a revolutionary real-time connectivity and control solution for Zebra printers, includes:

1. *Alert* (with ZebraNet PrintServer II) – enables a Zebra printer to send status messages via any e-mail-enabled device.

2. *WebView* (with ZebraNet PrintServer II) – enables the remote monitoring and configuration of Zebra printers using web-based network tools.

3. *ZBI* (Zebra BASIC Interpreter) – a programming language that works with ZPL II to control and interpret incoming text and data.

ZebraLink gives you the freedom to replace other bar code printers with the superior performance and reliability of Zebra printers, without costly re-programming of your host system. Alternatively, create a stand-alone application using a LP/TLP 2844-Z or TLP 3844-Z printer and peripheral devices without needing a PC. Internet-aware, ZBI can then transmit data captured by these devices over your LAN, WAN or wireless network via e-mail or TCP/IP messaging.

### Maximum Print Area

Width: 104mm (4.09")
Length: 990mm (39")
        (with standard memory)

### Resolution

8 dots per mm (203dpi) (2844-Z)
12 dots per mm (300dpi) (3844-Z)

### Maximum Print Speed

102mm (4") per second

### Memory

Standard: 4MB flash (2.75MB available to user)
          8MB SDRAM (4MB available to user)
Optional: 8MB flash (for a total of 12MB with a total of 10.75MB available to user)

### Physical Characteristics

LP 2844-Z:
   Width: 200mm (7.9")
   Depth: 213mm (8.38")
   Height: 170mm (6.7")
   Weight: 1.3kg (3lb)

TLP 2844-Z and TLP 3844-Z:
   Width: 200mm (7.9")
   Depth: 248mm (9.75")
   Height: 173mm (6.8")
   Weight: 1.4kg (3.2lb)

### Media Specifications

Label and liner width:
   25.4mm (1") to 108mm (4.25")

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