



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 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 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™



LP/TLP 2844-Z™

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 four inches 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



Zebra Bar Code Products

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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 & 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® & 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 80% non-condensing
- Storage Humidity 10 to 90% 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 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 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

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

Ribbons

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

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 equals the full ribbon capacity)

Core I.D.

- 13mm (0.5")

Ribbon O.D.

- 35mm (1.36")

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, 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 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 - Windows®-based "WYSIWYG" European & Asian font sets
- Cutter
- Liner-free platen (LP only)
- External rewinder



LP 2844 - Z™

TLP 2844 - Z™

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

ZebraLink™



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

1. *Alert* (with ZebraNet® Print-Server II) – enables a Zebra printer to send status messages via any e-mail-enabled device.
2. *WebView* (with ZebraNet® Print-Server II) – enables the remote monitoring and configuration of Zebra printers using Web-based network tools.
3. *ZBI™* (Zebra BASIC Interpreter) – 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 2844-Z or TLP 2844-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)

Maximum Print Speed

102mm (4") per second

Memory

Standard: 4MB Flash (2.75MB available)
8MB SDRAM (4MB available)
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 (3lbs.)

TLP 2844-Z:

Width: 200mm (7.9")
Depth: 248mm (9.75")
Height: 173mm (6.8")
Weight: 1.4kg (3.2lbs.)

Media Specifications

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

*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.