



Zebra® Desktop Series

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

High-quality desktop printers deliver unmatched reliability and versatility.

Zebra's Desktop printer family offers a comprehensive choice of direct thermal (LP) and thermal transfer (TLP) models for 2- and 4-inch wide printing—each with distinctive characteristics to ensure your specific application is fully satisfied.

Small Size with No Compromise in Performance

Media loading is simplified thanks to the OpenACCESS® design, which tucks the printhead into the printer's top cover, and provides a clear media window for easy monitoring. Just drop the media in, shut the cover, and start printing! Maximize workplace efficiency with a 5-inch media roll capacity (for fewer label roll changes) and a space-saving, compact design. Their durable, dual-wall construction ensures that Desktop series printers will withstand rough handling in your busy work environment.

Flexible Networking and Connectivity

For optimal integration in today's IT environments, select from serial, parallel, and USB interfaces, or opt for internal Ethernet networking via Zebra's ZebraNet® PrintServer II. Zebra's ZPL II®-based desktop printers offer easy to use advanced printer management with ZebraLink™ Solutions.

The Desktop series printers integrate easily into a variety of mid- to low-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



EPL™ Desktop Series

Zebra's Eltron Programming Language



LP/TLP 2824

Ideal for retail and other low- to mid-volume label applications, the value-packed, ultra-compact LP/TLP 2824 printers for 2-inch-wide printing redefine the compact printer class. They fit into areas other printers can not, while they optimize productivity with a full 5-inch media capacity and a maximum print speed of four inches per second.

LP/TLP 2824

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 (LP only)

RESOLUTION

203 dpi/8 dots per mm

MEMORY

Standard: 512 KB Flash; 128 KB SRAM

Optional: 1 MB Flash; 256 KB SRAM

PHYSICAL CHARACTERISTICS

LP 2824

Width: 3.9"/99 mm

Depth: 7.5"/190 mm

Height: 6.8"/173 mm

Weight: 2.7 lbs./1.2 kg

*Weight of printer only; no media or options

TLP 2824

Width: 5.12"/130 mm

Depth: 9.25"/235 mm

Height: 7"/178 mm

Weight: 3.5 lbs./1.6 kg

MEDIA SPECIFICATIONS

Max. Label and liner width: 2.36"/60 mm

Ribbon width: 1.3"/34 mm to 2.24"/57 mm (TLP only)

Ribbon length: 2928"/244/74 m (TLP only)

LP/TLP 2844

Ideal for applications such as shipping and receiving, parcel delivery, warehouse management, retail, and healthcare, Zebra's space-saving LP/TLP 2844 printers offer efficient and reliable 4-inch-wide desktop labeling at an affordable price.

These simple-to-operate, low-maintenance printers reduce training requirements and operating costs, and provide flexible solutions through a variety of options and accessories.

LP/TLP 2844

MAXIMUM PRINT AREA

Width: 4.09"/104 mm

Length in page mode:

11"/279 mm (with standard memory)

22"/558 mm (with optional memory)

Length in line mode: Unlimited (LP only)

RESOLUTION

203 dpi/8 dots per mm

MEMORY

Standard: 512 KB Flash; 256 KB SRAM

Optional: 1 MB Flash; 512 KB SRAM

PHYSICAL CHARACTERISTICS

LP 2844

Width: 7.6"/193 mm

Depth: 8.5"/216 mm

Height: 6.6"/168 mm

Weight: 3.2 lbs./1.5 kg

*Weight of printer only; no media or options

TLP 2844

Width: 7.8"/198 mm

Depth: 9.4"/238 mm

Height: 6.8"/173 mm

Weight: 3.7 lbs./1.7 kg

MEDIA SPECIFICATIONS

Max. Label and liner width:

1"/25.4 mm to 4.25"/108 mm

Ribbon width (outside diameter):

1.3"/33 mm to 4.3"/110 mm (TLP only)

Ribbon length: 2928"/244/74 m (TLP only)

TLP 3842

The space-saving TLP 3842 desktop printer, for print widths up to 4 inches, adds high-resolution print capability to Zebra's popular and proven Desktop series. The TLP 3842's 300-dpi print-head enables high-quality, crisp, clear printing of two-dimensional bar codes, fine text, and complex graphics—ensuring high-density data on very small labels is easy to read and highly scannable.

TLP 3842

MAXIMUM PRINT AREA

Width: 4.09"/104 mm

Length in page mode:

11"/279 mm (with standard memory)

22"/558 mm (with optional memory)

RESOLUTION

300 dpi/12 dots per mm

MEMORY

Standard: 1 MB Flash; 512 KB SRAM

Optional: 1.2 MB SRAM

PHYSICAL CHARACTERISTICS

Width: 7.8"/198 mm

Depth: 9.4"/238 mm

Height: 6.8"/173 mm

Weight: 3.7 lbs./1.7 kg

*Weight of printer only; no media or options

MEDIA SPECIFICATIONS

Max. Label and liner width:

1"/25.4 mm to 4.25"/108 mm

Ribbon width (outside diameter):

1.3"/33 mm to 4.3"/110 mm

Ribbon length: 2928"/244/74 m

ZPL® Desktop Series

Zebra Programming Language



ZebraLink™

LP/TLP 2844-Z

The LP/TLP 2844-Z printers bring powerful performance and exceptional versatility to the desktop class. Equipped with a 32-bit microprocessor for fast label processing and throughput, these 4-inch printers provide unparalleled productivity. They are based on ZPL II (Zebra Programming Language) for simplified label formatting and seamless integration where full-size Zebra printers are already installed.

LP/TLP 2844-Z

MAXIMUM PRINT AREA

Width: 4.09"/104 mm

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

RESOLUTION

203 dpi/8 dots per mm

MEMORY

Standard: 8 MB SDRAM; 4 MB Flash

Optional: 8 MB Flash with real time clock (12 MB total)

PHYSICAL CHARACTERISTICS

LP 2844-Z

Width: 7.6"/193 mm

Depth: 8.5"/216 mm

Height: 6.6"/168 mm

Weight: 3.2 lbs./1.5 kg

TLP 2844-Z

Width: 7.8"/198 mm

Depth: 9.4"/238 mm

Height: 6.8"/173 mm

Weight: 3.7 lbs./ 1.7 kg

*Weight of printer only; no media or options

MEDIA SPECIFICATIONS

Max. Label and liner width:

1"/25.4 mm to 4.25"/108 mm

Ribbon width (outside diameter):

1.3"/33 mm to 4.3"/110 mm (TLP only)

Ribbon length: 2928"/244/74 m

TLP 3844-Z

The TLP 3844-Z's 300-dpi printhead enables high-quality, crisp, clear printing for labeling applications that require data such as two-dimensional bar codes, fine text, or complex graphics. Scanning and reading data on very small labels, for example laboratory vial labels or jewelry tags, is greatly enhanced. Quickly and easily network the TLP 3844-Z into an Ethernet environment with the optional internal ZebraNet PrintServer II.

TLP 3844-Z

MAXIMUM PRINT AREA

Width: 4.09"/104 mm

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

RESOLUTION

300 dpi/12 dots per mm

MEMORY

Standard: 8 MB SDRAM; 4 MB Flash

Optional: up to 8 MB Flash with real time clock (12 MB total)

PHYSICAL CHARACTERISTICS

Width: 7.8"/198 mm

Depth: 9.4"/238 mm

Height: 6.8"/173 mm

Weight: 3.7 lbs./ 1.7 kg

*Weight of printer only; no media or options

MEDIA SPECIFICATIONS

Max. Label and liner width:

1"/25.4 mm to 4.25"/108 mm

Ribbon width (outside diameter):

1.3"/33 mm to 4.3"/110 mm

Ribbon length: 2928"/244/74 m

ZebraLink Solutions

With ZebraLink Solutions, you can take advantage of the latest innovations today and tomorrow. Zebra is continually adding new features and options to give you more ways to connect and more ways to control your printers.

Software

ZebraDesigner™ Pro

ZebraNet™ Bridge Enterprise

- Full printer management for ZPL printers
- PrintServer management for EPL printers

ZebraNet Utilities 7.0

- PrintServer management for EPL and ZPL printers

Networking

ZebraNet PrintServer II

Firmware

ZPL® and ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers (ZPL models only).

EPL2™—Programming language (Page Mode)

ZebraLink Web View—Enables you to connect and control your bar code printer's Web interface using a common Web browser (ZPL models only).

ZebraLink Alert—Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime (ZPL models only).

For More Information

Contact your Zebra representative for additional printer specifications. To learn more about innovative Zebra printers, call +1 800 423 0442, or visit our Web site www.zebra.com.

Desktop Series

Specifications at a Glance*



ALL MODELS

MAXIMUM PRINT SPEED

4"/102 mm per second

2"/51 mm per second (TLP 3842)

STANDARD FEATURES

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

Construction: ABS double-walled casing

OpenACCESS design

Head up sensor

Serial, parallel, and USB interfaces

Windows® drivers (95, 98, NT v.4.0, 2000, XP)

Windows printer utilities

LP/TLP 2844-Z and TLP 3844-Z ONLY

Element Energy Equalizer™ (E3®)

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

Form, font, and graphics storage

Line mode support (LP 2824 and LP 2844 only)

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 10–90% non-condensing

Storage Humidity 5–95% non-condensing

Electrical

Autoranging external power supply

Input: 100–240 VAC; 50–60 Hz

Output: 20 VDC; 2.5 A

Communication and Interface Capabilities

Serial RS-232 (DB9)

Centronics® Parallel (36 pin)

USB v 1.1

Optional Internal Ethernet (ZebraNet PrintServer II)

Agency Approvals

UL-CUL, FCC, VCCI, C-TICK, CB, CE, CCC, NOM, IRAM, BSMI, GOST (Refer to technical specification for each individual product for further details.)



Zebra's Desktop series thermal printers offer space-saving performance that includes flexible connectivity and unmatched reliability and versatility.

FONTS/GRAPHICS/SYMBOLOGIES

Fonts and Character Sets (EPL Desktop Series)

Standard fonts: 5 bitmapped, expandable 8x

Soft font storage in Flash memory

Fonts and Character Sets (ZPL Desktop Series)

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

Supports user-defined fonts and graphics—including custom logos

IBM Page 850 International Characters

Graphic Features

Line and box drawing

PCX graphic storage

Bar Code Symbolologies

All Models: Codabar; Code 39; Code 93; Code 13 with subsets A/B/C and UCC Case Codes; Interleaved 2-of-5; Plessey; UCC/EAN-128; UPC-A, UPC-E, EAN 8, EAN 13 with 2 or 5 digit add-on

2-Dimensional Codes: Data Matrix; MaxiCode

EPL Models only: German Post Code, Japanese Postnet, Postnet

TLP 3842 only: RSS-14 (limited, truncated, stacked)

2-Dimensional Codes: MacroPDF417, QR Code (requires Asian version printer)

ZPL Models only: Code 11, Industrial 2-of-5; ISBT 128; Logmars; MSI; RSS-14 (limited, truncated, stacked); Standard 2-of-5

2-Dimensional Codes: Codablock; Code 49; MicroPDF417; QR Code

TLP 3844-Z: 2-Dimensional RSS Composite

LP/TLP 2844, LP/TLP 2824: Downloadable Data Matrix and option RSS-14 (limited, truncated, stacked)

OPTIONS AND ACCESSORIES

Cutter, Real-time clock, Asian language support, External rewind, ZebraNet PrintServer II for Ethernet connectivity (internal and external), Dispenser, Keyboard Display Unit (KDU)¹, Memory Expansion, Liner free (LP models only)

¹EPL products only. Check for ZPL compatibility availability.

*Specifications subject to change without notice. ©2005 ZIH Corp. ZebraLink, ZebraDesigner, EPL, EPL2, ZebraNet, Element Energy Equalizer and all product names and numbers are Zebra trademarks, and Zebra, OpenACCESS, ZebraNet, ZPL, ZPL II, and E3 are registered trademarks of ZIH Corp. All rights reserved. Windows is a registered trademark of Microsoft Corporation. Centronics is a registered trademark of Centronics Data Computer Corporation. All other trademarks are the property of their respective owners.

HEADQUARTERS Zebra Technologies International, LLC **T:** +1 847 793 2600 or +1 800 423 0442 **F:** +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, Netherlands, Spain, Sweden, United Kingdom **ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea
LATIN AMERICA: Argentina, Brazil, Mexico **MIDDLE EAST:** South Africa, United Arab Emirates



Zebra Technologies Corporation
An ISO 9001 registered company
GSA#: GS-35F-0268N
©2005 ZIH Corp. Printed in U.S.A.
#13087L Rev. 2 (7/05) 7.5M