

## 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

ZebraLink™  
Zebra E3® Printhead Energy Control

#### Programming Language

(LP/TLP 2824™, LP/TLP 2844™ and TLP 3842™)  
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

Form, font, and graphics storage

Line mode support (LP 2824 and LP 2844 only)

#### Programming Language

(LP/TLP 2844-Z and TLP 3844-Z)

ZPL® or ZPL II® software selectable

ZBI™ (Zebra BASIC Interpreter)™ 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 10–90% 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



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

#### Communication and Interface Capabilities

Serial RS232 (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.)

#### 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 Symbologies

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

2-Dimensional Codes; MaxiCode; Data Matrix

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

2-Dimensional Codes, Macro PDF-417, QR-Code (requires Asian version printer)

ZPL Models only: Code 11; Industrial 2 of 5; LOGMARS; Standard 2 of 5; MSI; ISBT 128

2-Dimensional Codes; CODABLOCK; Micro PDF-417; Code 49; QR-Code

TLP 3842, TLP 3844-Z only: RSS-14 (Limited, truncated, stacked)

TLP 3844-Z: 2-Dimensional RSS Composite

LP/TLP 2844, LP/TLP 2824: Downloadable 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), BAR-ONE® Software, Dispenser, Keyboard Display Unit (KDU)®, Memory Expansion, Liner free (LP models only)

\*EPL products only. Check for ZPL compatibility availability.

\*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.

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## 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 two- and four-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 a clear media window for easy monitoring. Just drop the media in, shut the cover, and start printing! Maximize workplace efficiency with a five-inch media roll capacity (for fewer label roll changes) and a space-saving, compact design. Their durable, dual-wall construction ensures Desktop series printers will withstand rough handling in your busy work environment.

**Flexible Connectivity**

For optimal integration in today's networked environments, select from serial, parallel, and USB interfaces, or opt for internal Ethernet connectivity via Zebra's ZebraNet® PrintServer II. Zebra's ZPL II®-based desktop printers offer programming flexibility with ZBI™ and ZebraLink™ advanced printer management.

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



Connect with it. Count on it.™

## 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 two-inch-wide printing redefine the compact printer class. They fit into areas other printers can not, while they optimize productivity with a full five-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	TLP 2824
Width: 3.9"/99 mm	Width: 5.12"/130 mm
Depth: 7.5"/190 mm	Depth: 9.25"/235 mm
Height: 6.8"/173 mm	Height: 7"/178 mm
Weight: 2.7 lbs./1.2 kg	Weight: 3.5 lbs./1.6 kg

\*Weight of printer only; no media or options

##### MEDIA SPECIFICATIONS

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

### 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 four-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	TLP 2844
Width: 7.6"/193 mm	Width: 7.8"/198 mm
Depth: 8.5"/216 mm	Depth: 9.4"/238 mm
Height: 6.6"/168 mm	Height: 6.8"/173 mm
Weight: 3.2 lbs./1.5 kg	Weight: 3.7 lbs./1.7 kg

\*Weight of printer only; no media or options

##### MEDIA SPECIFICATIONS

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 3842™

The space-saving TLP 3842 desktop printer, for print widths up to four inches, adds high-resolution print capability to Zebra's popular and proven Desktop series. The TLP 3842's 300-dpi printhead 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

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



### 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 four-inch printers provide unparalleled productivity. They are based on ZPL II® (Zebra Programming Language) for simplified label formatting and seamless integration with full-size Zebra printers.

#### 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 available for user); 4 MB Flash (2.75 available to user)  
 Optional: up to 8 MB Flash with real time clock (12 MB total)

##### PHYSICAL CHARACTERISTICS

LP 2844-Z	TLP 2844-Z
Width: 7.6"/193 mm	Width: 7.8"/198 mm
Depth: 8.5"/216 mm	Depth: 9.4"/238 mm
Height: 6.6"/168 mm	Height: 6.8"/173 mm
Weight: 3.2 lbs./1.5 kg	Weight: 3.7 lbs./1.7 kg

\*Weight of printer only; no media or options

##### MEDIA SPECIFICATIONS

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"/74m

### 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 available for user); 4 MB Flash (2.75 available to user)  
 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  
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 Weight: 3.7 lbs./1.7 kg  
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Label and liner width:  
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 Ribbon length: 2928"/244"/74m



### 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 unsolicited status messages via e-mail-enabled devices.
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)—programming language that works with ZPL II to control and interpret incoming text and data.

ZebraLink gives you the freedom to create stand-alone applications using an LP/TLP 2844-Z or TLP 3844-Z printer and peripheral devices without needing a PC host. ZBI can then transmit data captured by these devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

#### 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](http://www.zebra.com).