

# Zebra® Desktop 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. Zebra's ZPL II®-based desktop printers offer easy-to-use advanced printer management with ZebraNet™ Bridge Enterprise.

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 ticket printing
- E-commerce postage

# Zebra Desktop Printers

LP/TLP 2824 Plus™



The ultra-compact LP/TLP 2824 Plus bar code label printers bring powerful performance to applications requiring a space-saving printer and media widths of 2.2 inches/56 mm or less. They include a 32-bit RISC processor for faster formatting and first label out, an auto-sensing serial port, and co-resident EPL™ and ZPL® programming languages. Available options include additional memory, 10/100 Ethernet, label peeler, and receipt/label cutter.

**Maximum Print Area**

Width: 2.2"/56 mm  
Length: 39.0"/990 mm

**Print Speed**

Maximum print speed 4"/102 mm per second

**Resolution**

203 dpi/8 dots per mm

**Memory**

Standard: 4 MB Flash, 8 MB SDRAM  
Optional: 64 MB Flash with real-time clock for a total of 68 MB

**Physical Characteristics**

|                                               | LP 2824 Plus    | TLP 2824 Plus   |
|-----------------------------------------------|-----------------|-----------------|
| Width:                                        | 4.37"/111 mm    | 5.3"/135 mm     |
| Depth:                                        | 8.5"/216 mm     | 9.5"/241 mm     |
| Height:                                       | 6.75"/171 mm    | 7.0"/178 mm     |
| Weight:                                       | 2.7 lbs./1.2 kg | 3.5 lbs./1.6 kg |
| (Weight of printer only; no media or options) |                 |                 |

**Programming Languages**

EPL and ZPL co-resident

**Media Specifications**

Label and liner width: 1"/25.4 mm to 2.36"/60 mm  
Ribbon width (outside diameter):  
1.33"/34 mm to 2.24"/57 mm (TLP only)  
Ribbon length: 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, lowmaintenance printers reduce training requirements and operating costs, and provide flexible solutions through a variety of options and accessories.

**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)

**Print Speed**

Maximum print speed 4"/102 mm per second

**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     | 7.8"/198 mm     |
| Depth:                                        | 8.2"/208 mm     | 9.4"/238 mm     |
| Height:                                       | 6.6"/168 mm     | 6.8"/173 mm     |
| Weight:                                       | 3.2 lbs./1.5 kg | 3.7 lbs./1.7 kg |
| (Weight of printer only; no media or options) |                 |                 |

**Programming Language**

EPL

**Media Specifications**

Label and liner width: 1"/25.4 mm to 4.25"/108 mm  
Ribbon width (outside diameter):  
1.33"/33 mm to 4.3"/110 mm (TLP only)  
Ribbon length: 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 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.

**Maximum Print Area**

Width: 4.09"/104 mm  
Length in page mode:  
11"/279 mm (with standard memory)  
22"/558 mm (with optional memory)

**Print Speed**

Maximum print speed 2"/51 mm per second

**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)

**Programming Language**

EPL

**Media Specifications**

Label and liner width: 1"/25.4 mm to 4.25"/108 mm  
Ribbon width (outside diameter):  
1.33"/33 mm to 4.3"/110 mm  
Ribbon length: 244/74 m

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.

Maximum Print Area

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

Print Speed

Maximum print speed 4"/102 mm per second

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       | TLP 2844-Z       |
|-----------------------------------------------|-----------------|------------------|
| Width:                                        | 7.6"/193 mm     | 7.8"/198 mm      |
| Depth:                                        | 8.2"/208 mm     | 9.4"/238 mm      |
| Height:                                       | 6.6"/168 mm     | 6.8"/173 mm      |
| Weight:                                       | 3.2 lbs./1.5 kg | 3.7 lbs./ 1.7 kg |
| (Weight of printer only; no media or options) |                 |                  |

Programming Language

ZPL

Media Specifications

Label and liner width: 1"/25.4 mm to 4.25"/108 mm  
Ribbon width (outside diameter):  
1.33"/33 mm to 4.3"/110 mm (TLP only)  
Ribbon length: 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.

Maximum Print Area

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

Print Speed

Maximum print speed 4"/102 mm per second

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)

Programming Language

ZPL

Media Specifications

Label and liner width: 1"/25.4 mm to 4.25"/108 mm  
Ribbon width (outside diameter):  
1.33"/33 mm to 4.3"/110 mm  
Ribbon length: 244/74 m

TTP 2100™ Desktop Ticket Printer



The TTP 2100 direct thermal ticket printer is part of Zebra's kiosk printer family, which is specially designed to work in unattended, harsh environments where reliability, durability and minimal maintenance is critical. Using the same robust mechanism for attended applications, this compact desktop is ideal for ATB1 boarding passes, bag tags and tickets. The TTP 2100 includes high-end features such as retain or eject presenter, auto media loading, advance status reporting, print speeds up to 6"/150 mm per second and media thickness of up to .26 mm.

Maximum Print Area

Width: 3.1" (80 mm)  
Length: 23.6" (600 mm)

Print Speed

Maximum print speed 6"/150 mm per second

Resolution

203 dpi/8 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: 4.5"/115 mm  
Height: 3.1"/85 mm  
Depth: 7.1"/137 mm  
Weight: 3.1 lbs/1.4 kg  
(weight of printer only; no media or options)

Programming Language

KPL

Media Specifications

Paper width: 2.13"/54 mm to 3.25"/82.5 mm  
Maximum media roll size: 9.8"/250 mm  
Media thickness:  
0.004"/0.11 mm to 0.01"/0.26 mm for 2.13"/54 paper  
0.004"/0.11 mm to 0.007"/0.19 mm for 3.25"/82.5 mm paper  
Media types: Roll or fanfold stock or single-cut hand fed

# Specifications at a Glance\*

## All LP/TLP 2800 & 3800 Series Models

### 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
- ZebraDesigner™ basic label design software

### Operating Characteristics

#### Environmental

- 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

#### 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.)

## ZebraLink™ Solutions

#### Software

- ZebraDesigner (standard)
- ZebraDesigner Pro (option)
  - Full printer management for ZPL printers
  - PrintServer management for EPL printers
- ZebraNet Utilities 7.0
  - PrintServer management for EPL and ZPL printers

#### Firmware

- EPL2™
- ZPL
- ZPL II®
- Web View
- Alert
- Zebra Setup Utilities (standard)

## Communication and Interface Capabilities

- Serial RS-232 (DB9)
- Centronics® Parallel (36 pin)
- USB v 1.1

## 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

- **EPL models:** Linear bar codes: Code 39, Code 128A, B & C (User selectable/Auto), UCC/EAN-128, Code 93, Codabar, Interleaved 2-of-5, UPC-A, UPC-E, UPC-A with 2 and 5 add on, UPC-E with 2 and 5 add on, EAN 13, EAN 8, EAN 13 with 2 and 5 add on, EAN 8 with 2 and 5 add on, Postnet (5, 9, 11, & 13 digit) Japanese Postnet, Plessey (MSI-1), MSI-3, German Post Code, RSS-14 (limited, truncated, stacked) (downloadable)
  - 2-dimensional bar codes: MaxiCode (modes 2,3,4,6), PDF417, MacroPDF417, QR Code (optional—with Asian font set only), Data Matrix (downloadable)
- **ZPL models:** Linear bar codes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2-of-5 digit extensions, Plessey, POSTNET, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, RSS-14 (limited, truncated, stacked)
  - 2-dimensional bar codes: PDF417, MicroPDF-417, Code 49, MaxiCode, Codablock

## Options and Accessories

- Cutter
- Real-time clock
- Asian font set
- Media Adapter Guide kits (for printing narrow media—refer to tech specs for detail)
- Dispenser
- Keyboard Display Unit (KDU)<sup>1</sup>
- Memory Expansion
- Liner-free platen (LP models only)
  - <sup>1</sup> EPL products only. Check for ZPL compatibility availability.

## TTP 2100 Series Models

### Standard Features

- Direct thermal ticket printing for ATB1 boarding cards, bag tags, and other ticketing formats
- Retain or eject presenter
- Auto ticket loading does not waste tickets
- Various media mounting options give flexibility to kiosk design, up to 250 mm dia media rolls
- Paper guide available in 51, 54, 60, 66, 80, 82.5, and dual 54/82 mm
- USB or RS232 serial connectivity standard
- 203-dpi printing
- Windows drivers for plug and play
- Prints any font, code-page, bar code, and graphics supported by the operating system

### Operating Characteristics

#### Environmental

- Operating Temp: 32 F/0 C to 122 F/50 C
- Storage Temp: 14 F/-10 C to 122 F/50 C
- Operating Humidity: 35% to 75% non-condensing
- Storage Humidity: 10% to 90% non-condensing excluding paper

#### Electrical

- 24Vdc +/-5% average 2A peak 6A

## Communication and Interface Capabilities

- TTP 2110: RS232 serial interface
- TTP 2130: USB interface
- Operating system: Windows 2000, XP, Server 2003, and Linux

## Fonts/Graphics/Symbologies

### Bar Codes

- EAN 8, EAN 13, EAN128, UPC, Interleaved 2-of-5, ISBN, Code39, Code128, and 2-D PDF-417

### Graphics

- Logotypes and b&w BMP-files

### Standard fonts

- ATM9, OCR-B 10 and 12, up to 8 fonts can be uploaded
- Text attributes: Underline, bold, italics, reverse print, multiple width and height

## Options and Accessories

- Print guides for 2 1/4" x 51 mm, 2 1/4" x 54 mm, 2 1/4" x 60 mm, 2 1/4" x 66 mm, 3 1/4" x 80 mm and 3 3/8" x 82.5 mm, and dual 2 1/4" x 54 mm to 3 1/2" x 82 mm
- Media Holder TTP 2100 (includes quick fit hubs and spring)
- Output Tray
- Leaf spring retainer for quick-fit hubs
- Paper Low Sensor with 300 mm cable

\*Specifications subject to change without notice.

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