

# Zebra® LP/TLP 2800™/3800™ Series 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. An optional external ZebraNet® 10/100 Print Server will allow the LP/TLP 2800/3800 series printers to work in a network environment. Unlike the competitive Ethernet interfaces, the ZebraNet 10/100 Print Server uses the power from the printer's parallel port and requires no external power.

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



Phone: 1300 800 999  
Email: [sales@barcodes.com.au](mailto:sales@barcodes.com.au)  
Website: [www.barcodes.com.au](http://www.barcodes.com.au)

For more information, visit [www.barcodes.com.au](http://www.barcodes.com.au) or call us on 1300 800 999



# Specifications at a Glance\*

	LP 2824 (Direct Thermal) TLP 2824 (Thermal Transfer)	LP 2844 (Direct Thermal) TLP 2844 (Thermal Transfer)	TLP 3842 (Thermal Transfer)																																						
<b>Max Print Speed</b>	4"/102 mm per second	4"/102 mm per second	2"/51 mm per second																																						
<b>Maximum Print Area</b>	<ul style="list-style-type: none"> <li>Width: 2.2"/56 mm</li> <li>Length in page mode (2" wide): 11"/279 mm (with standard memory) 22"/558 mm (with optional memory)</li> <li>Length in line mode: Unlimited (LP only)</li> </ul>	<ul style="list-style-type: none"> <li>Width: 4.09"/104 mm</li> <li>Length in page mode: 11"/279 mm (with standard memory) 22"/558 mm (with optional memory)</li> <li>Length in line mode: Unlimited (LP only)</li> </ul>	<ul style="list-style-type: none"> <li>Width: 4.09"/104 mm</li> <li>Length in page mode: 11"/279 mm (with standard memory) 22"/558 mm (with optional memory)</li> </ul>																																						
<b>Resolution</b>	203 dpi	203 dpi	300 dpi																																						
<b>Memory</b>	<ul style="list-style-type: none"> <li>Standard: 512 KB Flash, 128 KB SRAM;</li> <li>Optional: 1 MB Flash; 256 KB SRAM</li> </ul>	<ul style="list-style-type: none"> <li>Standard: 512 KB Flash, 256 KB SRAM;</li> <li>Optional: 1 MB Flash; 512 KB SRAM</li> </ul>	<ul style="list-style-type: none"> <li>Standard: 1 MB Flash, 512 KB SRAM ;</li> <li>Optional: 1.2 MB SRAM</li> </ul>																																						
<b>Physical Characteristics</b>	<table border="1"> <thead> <tr> <th></th> <th>LP 2824 Plus</th> <th>TLP 2824 Plus</th> </tr> </thead> <tbody> <tr> <td>Width:</td> <td>3.6"/91 mm</td> <td>5.5"/140 mm</td> </tr> <tr> <td>Depth:</td> <td>7.5"/191 mm</td> <td>9.5"/241 mm</td> </tr> <tr> <td>Height:</td> <td>6.8"/173 mm</td> <td>7.0"/178 mm</td> </tr> <tr> <td>Weight:</td> <td>2.7 lbs./1.2 kg</td> <td>3.5 lbs./1.6 kg</td> </tr> </tbody> </table> (Weight of printer only; no media or options)		LP 2824 Plus	TLP 2824 Plus	Width:	3.6"/91 mm	5.5"/140 mm	Depth:	7.5"/191 mm	9.5"/241 mm	Height:	6.8"/173 mm	7.0"/178 mm	Weight:	2.7 lbs./1.2 kg	3.5 lbs./1.6 kg	<table border="1"> <thead> <tr> <th></th> <th>LP 2844</th> <th>TLP 2844</th> </tr> </thead> <tbody> <tr> <td>Width:</td> <td>7.6"/193 mm</td> <td>7.8"/198 mm</td> </tr> <tr> <td>Depth:</td> <td>8.2"/208 mm</td> <td>9.4"/238 mm</td> </tr> <tr> <td>Height:</td> <td>6.6"/168 mm</td> <td>6.8"/173 mm</td> </tr> <tr> <td>Weight:</td> <td>3.2 lbs./1.5 kg</td> <td>3.7 lbs./1.7 kg</td> </tr> </tbody> </table> (Weight of printer only; no media or options)		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	<table border="1"> <tbody> <tr> <td>Width:</td> <td>7.8"/198 mm</td> </tr> <tr> <td>Depth:</td> <td>9.4"/238 mm</td> </tr> <tr> <td>Height:</td> <td>6.8"/173 mm</td> </tr> <tr> <td>Weight:</td> <td>3.7 lbs./1.7 kg</td> </tr> </tbody> </table> (Weight of printer only; no media or options)	Width:	7.8"/198 mm	Depth:	9.4"/238 mm	Height:	6.8"/173 mm	Weight:	3.7 lbs./1.7 kg
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<b>Media Specification</b>	<ul style="list-style-type: none"> <li>Label and liner width: 1"/25.4 mm to 2.36"/60 mm</li> <li>Ribbon width (outside diameter): 1.33"/34 mm to 2.24"/57 mm (TLP only)</li> <li>Ribbon length: 244/74 m (TLP only)</li> </ul>	<ul style="list-style-type: none"> <li>Label and liner width: 1"/25.4 mm to 4.25"/108 mm</li> <li>Ribbon width (outside diameter): 1.33"/33 mm to 4.3"/110 mm (TLP only)</li> <li>Ribbon length: 244/74 m (TLP only)</li> </ul>	<ul style="list-style-type: none"> <li>Label and liner width: 1"/25.4 mm to 4.25"/108 mm</li> <li>Ribbon width (outside diameter): 1.33"/33 mm to 4.3"/110 mm</li> <li>Ribbon length: 244/74 m</li> </ul>																																						

## All Models

### Standard Features

- Print method: Direct thermal (LP) or direct thermal/thermal transfer (TLP)
- Construction: ABS double-walled casing
- EPL Programming Language
- 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)
- ZebraNet™ Bridge Enterprise (standard)
  - PrintServer management for EPL printers
- ZebraNet Utilities 7.0
  - PrintServer management for EPL printers

#### Firmware

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

### Communication and Interface Capabilities

- Serial RS-232 (DB9)
- Centronics® Parallel (36 pin)
- USB v 1.1
- External ZebraNet 10/100 Ethernet PrintServer (Optional)

### Fonts/Graphics/Symbologies

#### Fonts and Character Sets

- Standard fonts: 5 bitmapped, expandable 8x
- Soft font storage in Flash memory

#### Graphic Features

- Line and box drawing
- PCX graphic storage

#### Bar Code Symbologies

- 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)

### 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)
- Memory Expansion
- Liner-free platen (LP models only)
- External ZebraNet 10/100 Ethernet PrintServer

\*Specifications subject to change without notice.

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#### Corporate Headquarters

+1 800 423 0442  
Email: inquiry4@zebra.com

#### Asia-Pacific Headquarters

+65 6858 0722  
Email: apacchannelmarketing@zebra.com

#### EMEA Headquarters

+44 (0)1628 556000  
Email: mseurope@zebra.com

#### Latin America Headquarters

+1 847 955 2283  
Email: inquiry4@zebra.com

#### Other Locations

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