

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

Specifications at a Glance*

	LP 2824 (Direct Thermal) TLP 2824 (Thermal Transfer)	LP 2844 (Direct Thermal) TLP 2844 (Thermal Transfer)	TLP 3842 (Thermal Transfer)																																						
Max Print Speed	4"/102 mm per second	4"/102 mm per second	2"/51 mm per second																																						
Maximum Print Area	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Width: 4.09"/104 mm Length in page mode: 11"/279 mm (with standard memory) 22"/558 mm (with optional memory) 																																						
Resolution	203 dpi	203 dpi	300 dpi																																						
Memory	<ul style="list-style-type: none"> Standard: 512 KB Flash, 128 KB SRAM; Optional: 1 MB Flash; 256 KB SRAM 	<ul style="list-style-type: none"> Standard: 512 KB Flash, 256 KB SRAM; Optional: 1 MB Flash; 512 KB SRAM 	<ul style="list-style-type: none"> Standard: 1 MB Flash, 512 KB SRAM ; Optional: 1.2 MB SRAM 																																						
Physical Characteristics	<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"/91mm</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"/91mm	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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Media Specification	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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 																																						

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

- Autorangeing 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)
 - Print Server management for EPL printers
- ZebraNet Utilities™ 7.0
 - Print Server 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 Print Server (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 Print Server

*Specifications subject to change without notice.

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