

ZEBRA LP/TLP2844 PRINTER SPECIFICATIONS

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Standard Features

- 203 dpi print resolution
- 4.09" print width
- 4 ips maximum print speed
- Direct thermal and thermal transfer printing of bar codes, text and graphics
- EPL2 programming language (Page Mode)
- EPL1 (Line Mode) (LP model only)
- 512 KB of flash memory
- 256 KB SRAM - enables printing of up to 11" long labels (512KB is Factory Installed Only -also called Full Memory)
- Serial RS232 (DB9), parallel (w/ Centronics connector) and USB interfaces
- Head-up sensor
- Reflective and see-through sensors
- Metal tear edge
- 5" outside diameter media capability
- Fan-fold media feed slot
- 5 resident expandable bitmap fonts
- Multiple DOS and Windows codepage support
- Windows label design utilities CAL Tools
- Windows drivers
- Printer utilities
- User documentation
- Programming manual
- Sample roll of labels
- Power supply and a cord

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Optional Features

Field Installable Kits	Part Number
External ZebraNet PrintServer II (10Base-T)	46692
External Power Rewinder 120V	103284-001
External Power Rewinder 220V	103284-002
Keyboard Display Unit (KDU requires RS-232 serial interface)	120181-001
Battery Pack Kit (Battery pack & adapter plate)	120187-001
Create a Label	105524-001

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Factory Options:

- Additional flash memory - total of 1MB for increased storage of forms, fonts, and graphics
- Additional SRAM memory - total of 512 KB for printing up to 22" long labels (Factory Only -also called Full Memory)
- Asian character set support (Japanese, Korean, or Chinese)
- Liner-free printing
- Guillotine paper cutter
 - Note: The cutter is designed to cut through paper labels or the backing between labels, not the adhesive backing of the label. Adhesive build-up on the cutter blade may cause the cutter to jam.*
- Peel mechanism with a label present sensor
- ZebraNet PrintServer II LAN/Ethernet adapter
- Internal real time clock
- External Rewinder
- KDU (Keyboard Display Unit)
- Create-a-Label 3 Label design software

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Printing Specifications

- Print Speed (ips): 4 ips (102 mm)
- Resolution (dpi): 203 dpi (8 dots/mm)
- Print Width (max. in.): 4.09" (104 mm)
- Max. Print Length (Standard. Memory.): 11" (279 mm)
- Max. Print Length (Optional Memory.): 22" (559 mm) (Optional Memory is Factory Installed Only -also called Full Memory)

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Media Specifications

- Media Width - 1.00" (25.4mm) - 4.25" (108mm)
- Label Length:
 - Minimum - 0.38" (9.7mm)
 - Minimum with label taken sensor used - 0.75" (19 mm)
 - Minimum with cutter - 1.25" (32 mm) (**Note:** *Users guide will be updated to match this value*)
 - Maximum with standard memory - 11.00" (279mm)
 - Maximum with optional memory - 22.00" (584mm) (Optional Memory is Factory Installed Only -also called Full Memory)
- Core Diameter - 1.00" (25.4mm), 1.5" (38mm)
- Max Roll Diameter - 5.00" (127mm)
- Media Thickness - 0.003" (0.08mm) - 0.0075" (0.18mm)
- Media Sensing - gap, black line, notch
- Media Type -Roll-fed or fan-fold, die cut or continuous direct thermal labels with or without black mark, tag stock
- Optional Liner-free

Cutter Specifications	
Warranty	90 days
Blade Life Expectancy	1,000,000 cut cycles
Media	
Media Type	Paper, Direct Thermal Paper, Paper Label Liners
Max. Thickness	0.0053 inches (0.135 mm)
Max. Media Density	160 grams/meter ²
Min. Width	1.12 inch (28 mm)
2" Printers - Max. Width	2.36 inch (60 mm)
4" Printers - Max. Width	4.25 inch (108 mm)

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Ribbon Specifications

- Ribbon Width: 1.30 inches (33 mm) to 4.30 inches (110 mm).
- Ribbon Capacity: The capacity of the ribbon roll is to be sufficient enough to completely print one roll of media. (1 roll of 5"OD media is the full ribbon capacity)
- Core ID: 0.5 inches (13 mm).
- Ribbon OD: 1.34 inches (34 mm).
- Ribbon Length: 244' (74m) using 0.000328" ribbon thickness
- Ribbon Type: Wax, wax/resin and resin.

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Font Specifications

Type	Width	Height	Sp	CPI	Char
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Font1	8	12	2	20.3	160
Font2	10	15	2	16.9	160
Font3	12	20	2	4.5	160
Font4	14	24	2	12.7	160
Font5	32	48	2	5.6	80

Code pages supported::

- DOS: 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737
- Windows: 1250, 1251, 1252, 1253, 1254, 1255, 1256, and 1257
- Soft fonts can be downloaded and stored in the flash

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Bar Code Symbolologies and Specifications

- 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, GERMAN POST
- 2-dimensional bar codes:
 - MAXICODE(Modes 2,3,4,6), PDF417(Micro PDF417)&Macro(PDF417), QR Code (optional)

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Programming Language[®] (EPL2[®])

- EPL2 programming language (page mode)
- Field Rotations
- Variable field support (up to 100)
- Counter support (up to 10)
- Variable field addition and subtraction
- Status reporting
- Form, fonts, and graphics storage
- Line Mode
- Simple set of formatting commands
- Support of selected bar codes

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Communications Specifications

Serial- RS232:

- Software selectable

- baud rate (default: 9600, Max: 57,600)
- parity (default none)
- data length (default 8)
- stop bit (default 1)
- Flow control - hardware and software
- 9 pin D Sub connector female
- Includes 5V DC 300 mA supply pin

Parallel:

- With Centronics connector
- +5V on pin 18

USB:

- Version 1.1 - supports Windows 2000 and XP Platforms

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Electrical Specifications

- Auto-ranging external power supply with C7 type connector
- Output: 20 VDC, 2.5A
- Input: 100-240 VAC, 50-60 Hz
- Agency Approvals: FCC, CE, VCCI, C-TIC, CB, UL - to be confirmed

Power Consumption Testing

<i>Type of printer</i>	LP2844
<i>Type of power supply</i>	20V DC
<i>Total Avg Watts / Minutes@Idle</i>	4.1 / 15
<i>Watt Hours</i>	1.03
<i>Total Watts</i>	4.1
<i>Total Avg Watts / Minutes w/15 Labels Printed</i>	36.8 / 0.70
<i>Watt Hours</i>	0.43
<i>Total Watts</i>	39.1
<i>Label Density</i>	30%

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Physical Specifications

LP 2844

TLP 2844

Height:	6.7"	6.8"
Width:	7.9"	7.9"
Depth:	8.38"	9.75"
Weight:	3.0 lbs (1.3kg)	3.2 lbs (1.4kg)

Environmental Specifications

- Temperature: 40°F-104°F (5°-40°C)
- Humidity: 10%-90% non-condensing