



LP/TLP 2824

Thermal, On-demand Label, Receipt,
and Tag Printers

Leading the way in versatile and affordable desktop printing.

Ideal for retail and other low- to mid-volume label applications, the two-inch LP/TLP 2824 desktop bar code label printers redefine the compact printer class—they fit into areas other printers cannot, withstand rough handling and integrate easily into a wide range of applications.

Small Size – High Performance

The 2824 ultra-compact printers incorporate proven design features needed in today's demanding label printing applications. A five-inch media roll capacity and clear media window ensure maximum productivity while a maximum print speed of four inches per second enables fast job processing. The LP/TLP 2824 feature Zebra's OpenACCESS™ design for easy label loading, while dual-walled construction offers durability unprecedented for a desktop printer. And your customers have a variety of connectivity choices including serial, parallel, USB, internal or external ZebraNet PrintServer II, and cash drawer kicker interfaces.

The LP/TLP 2824 are perfect for low-volume printing needs in business and professional offices including:

- Retail point of sale, shelf labeling, and product marking
- Healthcare specimen labeling and patient tracking
- Inventory and asset management
- Small office/Home office mailing, shipping, and file folder labeling



Connect with it. Count on it.™

LP 2824 TLP 2824



Specifications at a Glance*

STANDARD FEATURES

Print method: Direct thermal (LP) or direct thermal/thermal transfer (TLP)
Construction: ABS double-walled casing
OpenACCESS™ design
Head-up sensor
Windows® drivers (95, 98, NT v.4.0, 2000, XP)
Windows printer utilities

Programming Languages

ASCII 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
Graphics and font storage
Line mode support (LP 2824)

OPERATING CHARACTERISTICS

Environment

Operating Temp. 40°F/5°C to 104°F/40°C
Storage/Transport Environ. -40°F/-40°C to 140°F/60°C
Operating Humidity 10-90% non-condensing
Storage Humidity 10-90% non-condensing

Electrical

Autoranging external power supply
Input: 100-240VAC; 50-60Hz
Output: 20VDC; 2.5A

Communication Interface Capabilities

Serial RS232 (DB9): 2.4-38.4K bits/second
Parallel IEEE 1284
USB v.1.1

Agency Approvals

UL-CUL 1950; FCC (Class B); VCCI (Class B);
C-TICK; EN 500082-1; EN 55022 (Class B)/CISPR
24; EN 55024/CISPR 24; EN 60950/IEC 950;
EN 61000-3-2, 3-3, CCC/CCIB, NOM

MEDIA CHARACTERISTICS

Labels

Max Roll Size: 5" /127mm O.D. on a 1" /25mm or
1.5" /38mm I.D. core
Thickness (label & liner): .003" / .08mm to
.007" / .18mm
Media Types: Gap, notch, black mark, continuous,
fanfold, tag stock

Ribbons (TLP 2824 only)

Ribbon is recommended to be at least as wide as media.
Max. Roll Size: 1.34" /34mm O.D. on a .5" /12.7mm
I.D. core
Standard Length: 2,900" /74m capacity; provides
1:1 media roll to ribbon ratios
Ribbon Setup: Ribbon wound ink side out
For optimum print quality and print engine
performance, use Genuine Zebra supplies.

FONTS/GRAPHICS/SYMBOLOGIES

Fonts and Character Sets

Standard Fonts: 5 bitmapped, expandable 8x
Sets: International character sets supporting the
following code pages:
DOS: 437, 737, 850, 851, 852, 855, 857, 860,
861, 862, 863, 865, 866, 869
Windows: 1250, 1251, 1252, 1253, 1254, 1255,
1256, 1257

Asian language support (optional)
Soft font storage in Flash memory

Graphic Features

Line and box drawing
PCX graphic storage

Bar Code Symbologies

Linear Bar Codes: Code 39, Code 128 (A, B or C
user selectable/Auto select), UCC/EAN-128, Code
93, Codabar, Interleaved 2 of 5, UPC-A, UPC-E,
UPC-A with 2 and 5 add on, Plessey, POSTNET,
German Post, Japanese Postnet
2-Dimensional: PDF-417, Macro PDF-417, Maxi
Code (Modes 2, 3, 4, 6), QR Code (requires Asian
printer version), DataMatrix (optional)

OPTIONS AND ACCESSORIES

ZebraNet® PrintServer II for Ethernet connectivity
(internal and external)
Expanded memory (up to 1MB Flash; 256KB
SRAM)
Cash drawer kicker (serial units only)
Keyboard display unit (KDU) (serial units only)
Liner-free platen (LP 2824 only)
Cutter
Dispenser with label taken sensor
Real-time clock
External rewind
Asian language support
Windows label design software

MAXIMUM PRINT AREA

Width: 2.2" /56mm
Length in page mode (2" wide):
11" / 279mm (with standard memory)
22" /558mm (with optional memory)
Length in line mode:
Unlimited

RESOLUTION

203dpi/8dots per mm

MAXIMUM PRINT SPEED

3.5" /89mm per second

MEMORY

Standard: 512KB Flash; 128KB SRAM
Optional: up to 1MB Flash; 256KB SRAM

PHYSICAL CHARACTERISTICS

LP 2824
Width: 3.6" /93mm
Depth: 7.5" /190mm
Height: 6.8" /173mm
Weight: 2.7lbs./1.2kg

TLP 2824
Width: 5.5" /140mm
Depth: 9.5" /242mm
Height: 7" /178mm
Weight: 3.5lbs./1.6kg

MEDIA SPECIFICATIONS

Label and liner width:
1" /25.4mm to 2.4" /61mm
Ribbon width (TLP 2824 only):
1.3" /33mm to 2.24" /58mm

*Specifications listed are for base model printers
with standard features only unless otherwise noted.
Specifications subject to change without notice.
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OTHER LOCATIONS

USA: California, Florida, Rhode Island, Wisconsin **EUROPE:** France, Germany, Italy, United Kingdom
ASIA-PACIFIC: Australia, China, Japan, Singapore, South Korea **MIDDLE EAST:** United Arab Emirates



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