Zebra® LP/TLP 2844-Z™

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

Affordable desktop printers deliver unmatched performance and versatility.

Direct thermal (LP) and thermal transfer (TLP) 2844-Z™ bar code label printers bring powerful performance to applications requiring a space-saving, desktop-size, four-inch printer. Enhanced with a 32-bit microprocessor for fast label-processing throughput, and with print speeds of up to four inches per second, LP/TLP 2844-Z printers provide productivity unparalleled in their class. Their ease of use, including their OpenACCESS™ design and clear media window for simple media loading and monitoring, makes them a foolproof means to increased work-place efficiency.

Flexible Connectivity

With serial, parallel, and USB interfaces, plus an internal or external ZebraNet® PrintServer II option for easy connection to your network, LP/TLP 2844-Z printers meet a variety of connect-ivity needs. They are fully compatible with Zebra Programming Language (ZPL II®) for seamless integration with other Zebra printers. They also offer ZebraLink™ real-time connectivity and control for centralized printer management. For superb performance for the price, nothing beats the LP/TLP 2844-Z's robust combination of economy, "horsepower," and flexibility.

The LP and TLP 2844-Z integrate easily into a variety of lower-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

• E-commerce postage

LP 2844-Z™ TLP 2844-Z™

Sturdy, dual-wall, high-density plastic construction ensures LP and TLP 2844-Z printers survive high-traffic environments.

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

RESOLUTION
203 dpi/8 dots per mm

MAXIMUM PRINT SPEED
4"/102 mm per second

MEMORY
Standard: 4MB Flash (2.75 available to user)
  8MB SDRAM (4MB available to user)
Optional: 8 MB Flash (for a total of 12MB with a total of 10.75 MB available to user)

PHYSICAL CHARACTERISTICS

LP 2844-Z	TLP 2844-Z
Width: 7.9"/200 mm	Width: 7.9"/200 mm
Depth: 8.38"/213 mm	Depth: 9.75"/248 mm
Height: 6.7"/170 mm	Height: 6.8"/173 mm
Weight: 3 lbs./1.3 kg	Weight: 3.2 lbs./1.4 kg

MEDIA SPECIFICATIONS
Label and liner width:
  1"/25.4 mm to 4.25"/108 mm

Specifications at a Glance*

STANDARD FEATURES

Print methods: Direct thermal (LP) or direct thermal/thermal transfer (TLP)
Construction: ABS double-walled casing
4MB Flash memory (2.75 available to user)
8MB SDRAM (4 MB available to user)
OpenACCESS™ Design
Serial, Parallel & USB interfaces
ZebraLink™ enabled
32 bit RISC processor
Zebra E³® Printhead Energy Control
Scalable fonts
Transmissive and Reflective media sensing
Head-up sensor

Programming Language

ZPL® or ZPL II® Universal language for Zebra printers.
Simplifies label formatting and enables compatibility with other Zebra printers.
ZBI™ - controls and interprets text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN or wireless network via email or TCP/IP messaging.

OPERATING CHARACTERISTICS

Environment
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 10-80% non-condensing
Storage Humidity 10-90% non-condensing

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

Communication Interface Capabilities
Serial RS232 (DB9)
Centronics® Parallel (36 pin)
USB v 1.1
Internal Ethernet
  (with optional ZebraNet PrintServer II)

Agency Approvals
Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
Emissions and Susceptibility: (CE): EN55022 Class-B, EN61000-3-2, EN61000-3-3 and EN55024
Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, UL 60950 and C-UL, IRAM, NOM, AAMI

MEDIA CHARACTERISTICS

Labels
Max. Roll Size: 5"/127 mm O.D. on a 1"/25.4 mm or 1.5"/38 mm I.D. core
Thickness (label & liner): 0.003"/0.08 mm to 0.0075"/0.19 mm

Media Types: Roll-fed or fan-fold, die cut or continuous direct thermal labels with or without black mark, tag stock
For optimum print quality and print engine performance, use Genuine Zebra® supplies.

Ribbon Specifications
NOTE: For optimum print quality and printer performance, use of Zebra genuine ribbon is recommended as well as a notched ribbon core.
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" (13 mm).
Ribbon OD: 1.36"(35 mm).
Ribbon Length: 244' (74m) using 0.000328" ribbon thickness
Ribbon Type: Wax, wax/resin and resin.

FONTS/GRAPHICS/SYMBOLOGIES

Fonts and Character Sets
Standard Fonts: 16 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
Sets: IBM® Code Page 850 international character set
Optional European and Asian fonts

Graphic Features
Supports user defined fonts and graphics – including custom logos
ZPL II drawing commands – including boxes and lines

Bar Code Symbologies
Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
2-Dimensional: PDF417, MicroPDF-417, Code 49, Maxicode, Codablock, Datamatrix, and QR code

OPTIONS AND ACCESSORIES

Expanded memory - up to 8 MB Flash with Real Time Clock (for a total of 12MB, 10.75 MB user available)
Dispenser – Label peel and present with label taken sensor.
ZebraNet™ Print Server II – (internal or external via parallel connection only) enables network print capability.
BAR-ONE® software - Windows®-based "WYSIWYG"
European & Asian font sets
Cutter
Liner-free Platen (LP only)
External rewinder