Desktop Series

Zebra's Desktop series thermal printers offer space-saving performance that includes flexible connectivity and unmatched reliability and versatility.

ALL MODELS

▶ MAXIMUM PRINT SPEED
4"/102 mm per second

2"/51 mm per second (TLP 3842)

▶ STANDARD FEATURES
Print method: Direct thermal (LP) or direct thermal/thermal transfer (TLP)

Construction: ABS double-walled casing

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
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 10–90% 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

Specifications at a Glance*

Communication and Interface Capabilities
Serial RS-232 (DB9)

Centronics® Parallel (36 pin)

USB v 1.1

Optional Internal Ethernet (ZebraNet PrintServer II)

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.)

▶ OPTIONS AND ACCESSORIES
Cutter, Real-time clock, Asian font set, ZebraNet PrintServer II for Ethernet connectivity (internal or external), ZebraNet Bridge Enterprise, Zebra Designer Pro, Media Adapter Guide kits (for printing narrow media—refer to tech specs for detail), Dispenser, Keyboard Display Unit (KDU)[1], Memory Expansion, Liner-free platen (LP models only)

[1]EPL products only. Check for ZPL compatibility availability.

▶ ZEBRALINK™ SOLUTIONS
Software
ZebraDesigner Pro

ZebraNet™ Bridge Enterprise
• Full printer management for ZPL printers
• PrintServer management for EPL printers

ZebraNet Utilities 7.0
• PrintServer management for EPL and ZPL printers

Networking
ZebraNet PrintServer II

Firmware
ZPL® and ZPL II—Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers (ZPL models only).

Web View—Enables you to connect and control your bar code printer's Web interface using a common Web browser (ZPL models only).

Alert—Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime (ZPL models only).

EPL2 ™—Programming language (Page Mode)

▶ FONTS/GRAPHICS/SYMBOLOGIES
Fonts and Character Sets (EPL Desktop Series)
Standard fonts: 5 bitmapped, expandable 8x

Soft font storage in Flash memory

Fonts and Character Sets (ZPL Desktop Series)
Standard fonts: 16 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)

Supports user-defined fonts and graphics—including custom logos

IBM® Page 850 International Characters

Graphic Features
Line and box drawing

PCX graphic storage

Bar Code Symbologies
EPL models: 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)

ZPL models: Linear bar codes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2-of-5 digit extensions, Plessey, POSTNET, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, RSS-14 (limited, truncated, stacked)

2-dimensional bar codes: PDF417, MicroPDF-417, Code 49, MaxiCode, Codablock, Data Matrix, QR Code, RSS Composite

Zebra® Desktop Series

Thermal, On-Demand Label, Receipt, and Tag 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, or opt for internal Ethernet networking via Zebra's ZebraNet® PrintServer II. Zebra's ZPL II®-based desktop printers offer easy-to-use advanced printer management with ZebraNet™ Bridge Enterprise.

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

• E-commerce postage

LP/TLP 2824™

Ideal for retail and other low- to mid-volume label applications, the value-packed, ultra-compact LP/TLP 2824 printers for 2-inch-wide printing redefine the compact printer class. They fit into areas other printers can't, while they optimize productivity with a full 5-inch media capacity and a maximum print speed of 4 inches per second.

LP/TLP 2844™

Ideal for applications such as shipping and receiving, parcel delivery, warehouse management, retail, and healthcare, Zebra's space-saving LP/TLP 2844 printers offer efficient and reliable 4-inch-wide desktop labeling at an affordable price.

These simple-to-operate, low-maintenance printers reduce training requirements and operating costs, and provide flexible solutions through a variety of options and accessories.

TLP 3842™

The space-saving TLP 3842 desktop printer, for print widths up to 4 inches, adds high-resolution print capability to Zebra's popular and proven Desktop series. The TLP 3842's 300-dpi print-head enables high-quality, crisp, clear printing of two-dimensional bar codes, fine text, and complex graphics—ensuring high-density data on very small labels is easy to read and highly scannable.

LP/TLP 2824-Z™

The ultra-compact LP/TLP 2824-Z printers for 2-inch print widths offer powerful performance and throughput with a 32-bit processor and ZPL II (Zebra Programming Language). A perfect fit for space-constrained work areas, these printers provide high-productivity, consistently clear printing perfect for small media applications where high-quality printing is a must.

LP/TLP 2844-Z™

The LP/TLP 2844-Z printers bring powerful performance and exceptional versatility to the desktop class. Equipped with a 32-bit microprocessor for fast label processing and through-put, these 4-inch printers provide unparalleled productivity. They are based on ZPL II (Zebra Programming Language) for simplified label formatting and seamless integration where full-size Zebra printers are already installed.

TLP 3844-Z™

The TLP 3844-Z's 300-dpi printhead enables high-quality, crisp, clear printing for labeling applications that require data such as two-dimensional bar codes, fine text, or complex graphics. Scanning and reading data on very small labels, for example laboratory vial labels or jewelry tags, is greatly enhanced. Quickly and easily network the TLP 3844-Z into an Ethernet environment with the optional internal ZebraNet PrintServer II.

▶ LP/TLP 2824

MAXIMUM PRINT AREA
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)

RESOLUTION
203 dpi/8 dots per mm

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

PHYSICAL CHARACTERISTICS

	LP 2824	TLP 2824
Width:	3.9"/99 mm	5.12"/130 mm
Depth:	7.5"/190 mm	9.25"/235 mm
Height:	6.8"/173 mm	7"/178 mm
Weight:	2.7 lbs./1.2 kg	3.5 lbs./1.6 kg

(Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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)

▶ LP/TLP 2844

MAXIMUM PRINT AREA
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)

RESOLUTION
203 dpi/8 dots per mm

MEMORY
Standard: 512 KB Flash; 256 KB SRAM
Optional: 1 MB Flash; 512 KB SRAM

PHYSICAL CHARACTERISTICS

	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

(Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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)

▶ TLP 3842

MAXIMUM PRINT AREA
Width: 4.09"/104 mm
Length in page mode:
  11"/279 mm (with standard memory)
  22"/558 mm (with optional memory)

RESOLUTION
300 dpi/12 dots per mm

MEMORY
Standard: 1 MB Flash; 512 KB SRAM
Optional: 1.2 MB SRAM

PHYSICAL CHARACTERISTICS
Width: 7.8"/198 mm
Depth: 9.4"/238 mm
Height: 6.8"/173 mm
Weight: 3.7 lbs./1.7 kg
  (Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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

▶ LP/TLP 2824-Z

MAXIMUM PRINT AREA
Width: 2.2"/56 mm
Length: 39"/990 mm (with standard memory)

RESOLUTION
203 dpi/8 dots per mm

MEMORY
Standard: 8 MB SDRAM; 4 MB Flash
Optional: 8 MB Flash with real-time clock
  (12 MB total)

PHYSICAL CHARACTERISTICS

	LP 2824-Z	TLP 2824-Z
Width:	3.6"/91 mm	5.5"/140 mm
Depth:	7.5"/191 mm	9.5"/241 mm
Height:	6.8"/173 mm	6.8"/173 mm
Weight:	2.7 lbs/1.2 kg	3.5 lbs/1.6 kg

(Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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)

▶ LP/TLP 2844-Z

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

RESOLUTION
203 dpi/8 dots per mm

MEMORY
Standard: 8 MB SDRAM; 4 MB Flash
Optional: 8 MB Flash with real-time clock
  (12 MB total)

PHYSICAL CHARACTERISTICS

	LP 2844-Z	TLP 2844-Z
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

(Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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 3844-Z

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

RESOLUTION
300 dpi/12 dots per mm

MEMORY
Standard: 8 MB SDRAM; 4 MB Flash
Optional: up to 8 MB Flash with real-time clock
  (12 MB total)

PHYSICAL CHARACTERISTICS
Width: 7.8"/198 mm
Depth: 9.4"/238 mm
Height: 6.8"/173 mm
Weight: 3.7 lbs./ 1.7 kg
  (Weight of printer only; no media or options)

MEDIA SPECIFICATIONS
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