TLP 2824 Plus Desktop Printer

THE COMPACT, DESKTOP PRINTER THAT FITS YOUR BUDGET

Zebra's 2-inch TLP 2824™ Plus thermal transfer printer is both easy-to-use and a great value. One of the smallest printers in its class, it can tuck into tight workspaces. Load and monitor media easily with the clamshell design and clear media window.

Zebra OneCare Services

Increase printer uptime and reduce lost productivity and unbudgeted repair costs by selecting a Zebra OneCare™ service agreement. A cost-effective means of planning and budgeting for your annual maintenance expenditures, your agreement ensures that trained Zebra® technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

Genuine Zebra Supplies

Ensure consistent print quality, reduce downtime and increase productivity in your printing process with Genuine Zebra™ supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.

Print Labels, Tags and Receipts for Varying Applications

Small in size and dependable, the TLP 2824 Plus fits in nearly any environment to meet a variety of application needs. From retail price marking and receipt printing, to healthcare specimen labeling and patient tracking, to manufacturing product labeling and even hospitality bag tagging, this printer helps you get the job done with ease.

Small in Size and Simple to Use

Start Printing Quickly

Multiple connectivity options including RS-232 Serial, Centronics® Parallel and USB V1.1—along with optional 10/100 Ethernet—enable you to easily integrate the TLP 2824 Plus into your existing system. The printer also features Zebra Setup Utilities, which guide you through simple setup steps to get you up and printing quickly.

Monitor and Change Media with Ease

Zebra's OpenACCESS™ clamshell design makes loading media a snap. Monitor supplies and see when it is time to replace them at a glance using the printer's clear media window. And, avoid wasted time and media with the standard auto-calibration feature.

Conserve Costs Now and Later

A great value, the TLP 2824 Plus is also ENERGY STAR® qualified, so it saves you money throughout its lifecycle.

Get the Performance and Flexibility You Need

A robust 32-bit RISC processor increases throughput and productivity with faster formatting and first label out. For greater flexibility and enhanced performance, choose from a variety of options like convenient peeler and cutter. Optional 64 MB Flash memory with real-time clock lets you store and use more graphics and fonts. With co-resident EPL™ and ZPL® programming languages, the TLP 2824 Plus works seamlessly with other Zebra printers.

Thermal Transfer vs. Direct Thermal Printing

Thermal transfer printing uses a heated ribbon to produce durable, long-lasting images on a wide variety of materials. No ribbon is used in direct thermal printing, which creates the image directly on the printed material. Direct thermal media is more sensitive to light, heat and abrasion, which reduces the life of the printed material. Thermal transfer printing typically provides a more durable, longer-lasting printed output.

The TLP 2824 is a thermal transfer printer, which gives users the option to operate it in direct thermal mode. For customers looking for a direct-thermal-only option, Zebra offers the ZD410™. Loaded with features, this printer includes a moveable media sensor for expanded media capabilities and virtually every modern connectivity option to fit into your technology environment—now and in the future.

For more information about the TLP 2824 Plus Desktop Printer, visit www.zebra.com or access our global contact directory at www.zebra.com/contact

TLP 2824 Plus Specifications

STANDARD FEATURES

- Print methods: Thermal transfer (can operate in direct thermal mode)
- Programming language: EPL and ZPL are standard
- Construction: Dual-wall frame, reinforced plastic
- OpenACCESS for easy media loading
- Quick and easy ribbon loading
- Auto calibration
- 32-bit RISC processor
- Reset button defaults to factory and/or network settings
- Unicode™ compliant
- Head up sensor
- Certified Microsoft® Windows® drivers
- Standard tear-off mode
- Serial port auto detection
- ENERGY STAR qualified

PRINTER SPECIFICATIONS

Resolution	203 dpi/8 dots per mm
Memory	4 MB Flash, 8 MB SDRAM (standard) 64 MB Flash with real-time clock for a total of 68 MB (option)
Maximum Print Width	2.2"/56 mm
Maximum Print Speed	4"/102 mm per second
Media Sensors	Fixed reflective and transmissive sensors
Maximum Print Length	Maximum 39.0"/990 mm

MEDIA CHARACTERISTICS

Media Width	1.00"/25.4 mm to 2.36"/60 mm With 2" Media Guide: 0.585"/15 mm to 1.44"/36.6 mm
Maximum Media Roll Size	5"/127 mm O.D on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core
Thickness	0.003"/0.075 mm to 0.007"/0.18 mm
Media Types	Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper and wristbands

RIBBON CHARACTERISTICS

Standard Length	244'/74 M
Width	1.33"/33.8 mm to 2.4"/58 mm
Core	1.00"/25.4 mm, 1.5"/38 mm (I.D.)

OPERATING CHARACTERISTICS

Environmental	Operating Temperature: 40°F to 105°F/5°C to 41°C Operating Humidity: 10% to 90% non-condensing Storage/Transportation Temperature: -40°F to 140°F/-40°C to 60°C Storage Humidity: 5% to 95% non-condensing
Electrical	Auto-detectable (PFC Compliant) 100-240VAV, 50-60Hz ENERGY STAR qualified printer
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 +A3 +A4, UL 60950 and C-UL, IRAM NOM, AAMI

PHYSICAL CHARACTERISTICS

Length	9.5"/241 mm
Width	5.3"/135 mm
Height	7.0"/178 mm
Weight	3.5 lbs/1.6 kg

COMMUNICATION AND INTERFACE CAPABILITIES

Standard:
- RS-232 auto-sensing Serial interface and USB V1.1 (bi-directional) or Centronics® Parallel (36 pin) connector ports

Optional:
- Ethernet—10/100 internal (replaces Serial and Parallel ports)

SOFTWARE TOOLS

ZebraLink Solutions

Zebra Setup Utilities — Windows utility drivers to set up and configure your Zebra printer.

ZebraDesigner™ Pro — An intuitive, easy-to-use software program for creating complex label designs (option).

ZebraDesigner — Offers basic features for simple label design.

ZBI-Developer™ — Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0™ programs and distribute them to the printer (standard with ZBI 2.0).

ZebraNet™ Bridge Enterprise — Centrally manage Zebra printers from a single PC screen anywhere on your global network.

ZebraNet Utilities v7.0 — Provides enhanced printing, conversion and administration capabilities; message management; and more.

Zebra Enterprise Connector — Print labels directly from Oracle's BI Publisher with the Enterprise Connector and Zebra printers.

ZDesigner Windows Driver — Zebra's powerful Microsoft certified Windows driver.

Web View

Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers.

Alert

Printers equipped with ZebraNet print servers will notify you via any email enabled, wired, or wireless device to minimize downtime.

FIRMWARE

ZBI 2.0™ — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.

ZPL & ZPL II® — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

EPL2™ — Eltron® Programming Language enables format compatibility with legacy applications.

BARCODE SYMBOLOGIES

ZPL Barcode Symbologies

Barcode Ratios: 2:1 (non-rotated) and 3:1

Linear Barcodes: 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, and GS1 DataBar (formerly RSS)

2D Barcodes: PDF417, MicroPDF417, Code 49, Maxicode, Codablock, Data Matrix, QR code, Aztec

EPL Barcode Symbologies

Linear Barcodes: Code 39, Code 128A, B and 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, and 13 digit) Japanese Postnet, Plessey (MSI-1), MSI-3, German Post Code, and GS1 DataBar (formerly RSS)

2D Barcodes: Maxicode (modes 2,3,4,6), PDF417, MacroPDF417, QR Code, Data Matrix, and Aztec

Ideal for These Applications

Retail
- Price marking
- Coupon and receipt printing
- Pharmacy prescription labeling

Healthcare
- Specimen labeling
- Patient tracking

Manufacturing
- Light-industrial work-in-process
- Product labeling

Security
- Visitor ID
- Evidence tracking
- Parking passes

Travel and Hospitality
- Boarding passes
- Bag tags
- Ski lift tickets

TLP 2824 Plus Specifications

FONTS AND GRAPHICS

16 resident expandable ZPL fonts

One resident scalable ZPL font

Five resident expandable EPL2 fonts

Supports user-defined fonts and graphics — including custom logos

REGULATORY

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

OPTIONS AND ACCESSORIES

Dispenser — label peel and present with label taken sensor

Cutter for use on the following media types:
• Continuous paper — Most receipt paper is generally acceptable
• Label liner — Cuts on the liner only. Cutter should not be used to cut through labels as adhesives may cause jams
• Tag stock — Tag stock is generally acceptable as long as it is no more than 0.07"/0.18 mm thickness

ZebraNet® 10/100 Print Server — Internal Ethernet for network communication

ZebraNet 10/100 Print Server — External Ethernet option connects via Parallel port

64 MB Flash memory with real-time clock

Font Packs — Asian and other international font kits

ZBI 2.0 and ZBI-Developer — field installed

Keyboard Display Unit — ZKDU™ keyboard display units for stand-alone printing applications

For optimum print quality and printer performance, use Genuine Zebra supplies.

Specifications subject to change without notice.