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ZEBRA TLP 3842™ PRINTER SPECIFICATIONS

Specifications are provided for reference and are based on printer tests using Zebra brand ribbons and labels. Results may vary in actual application settings or when using other than recommended Zebra supplies. Zebra recommends always qualifying any application with thorough testing.

Standard Features

- 4.09" print width
- 300 dpi print resolution
- 2 ips maximum print speed
- Direct Thermal/Thermal Transfer (TLP) printing of bar codes, text and graphics
- EPL2™ programming language
- 1MB of flash memory
- 512KB SRAM – enables printing of up to 11" long labels on 4" wide labels
- Serial (RS232), USB (V 1.1) interface and Parallel Centronics)
- Head-up sensor
- Reflective and transmissive media 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 software
- Windows drivers
- Printer utilities
- User documentation
- Programming manual
- Sample roll of labels
- Power supply and a cord

Optional Features

- Additional SRAM memory – printer total of 1.2MB for printing up to 22" long labels with 4" wide labels
- Asian character set support (Japanese, Korean, or Simplified Chinese)
- Guillotine paper cutter
- Label dispenser
- Internal ZebraNet® PrintServer II
- Internal real time clock

Accessories

- External Rewinder
- KDU - Keyboard Display Unit – (Serial units only)

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" (19mm)

- Maximum with standard memory - 11.00" (279mm)
- Maximum with optional memory - 22.00" (584mm)
- 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.Roll-fed or fan-fold, die-cut or continuous direct thermal (thermal transfer) tag stock with or without black mark, continuous direct thermal paper

Ribbons/Ribbon System

- Ribbon Width: 1.33" (33.8mm) – 4.30" (110mm)
- Ribbon Capacity: 244' (74M)
- 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
- Detection: Ribbon out sensor wheel standard. Detects when the wheel is moving and senses when the ribbon is out.

Programming

- ASCII 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
- Simple set of formatting commands
- Support of selected bar codes

Font Specifications

Standard bitmap font set

300 dots/inch (12 dots/mm) Printhead					
Fonts	Dot Matrix		Character Size (inch)		Max Characters/Inch
	w	h	w	h	
1	12	20	0.040	0.067	25.0
2	16	28	0.053	0.093	18.8
3	20	36	0.067	0.120	15.0
4	24	44	0.080	0.147	12.5

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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5	48	80	0.160	0.267	6.3
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- 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

Bar Codes

- 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 (RSS-14, Limited, truncated & stacked)
- 2-dimensional bar codes: MAXICODE(Modes 2,3,4,6), PDF417(Micro PDF417) and Macro (PDF417), QR Code (Optional – with Asian Font Only), Datamatrix

Software

- Windows drivers (Win95, Win98, NT4.0, NT2000, XP)
- Label design and print software
- Windows printer utilities

Interface/Connectivity Types

- *Serial- RS232:*
 - Software selectable
 - baud rate (default 9600)
 - parity (default none)
 - data length (default 8)
 - stop bit (default 1)
 - Flow control – hardware and software
 - Connector:
 - DB-9 Type: 9 pin D Sub connector female (standard)
 - Includes +5 VDC- 160 mA power output capability.
- *Parallel:*
 - Centronics
 - Connector: 36 Pin
 - Includes +5VDC –300mA power output capability

- *USB:*
 - Version 1.1, bi-directional
 - Supported in Win98 and Win98SE, Win Me and Windows 2000 platforms
 - Connector – Type B Female
- *Internal Ethernet (Optional):*
 - Zebranet PrintServer II
 - Connector – RJ-45 Female Type

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, NOM, CCC (pending)

Physical Specifications

	1 P 3842
Height	6.8"
Width:	7.9"
Depth:	9.75
Weight:	3.2lbs (1.4kg)

Operating Environment

- Temperature: 40°F-105°F
- Humidity: 10% -90% non-condensing

Preventative Maintenance:

- Zebra recommends cleaning the printer on a regular basis using standard Zebra cleaning supplies. Refer to the User’s Guide for more details.

Cleaning:

- The exterior is cleaned with a lint-free cloth, and if necessary, a mild detergent solution or desktop cleaner can be used. Interior components (printhead, platen, media path, and dispenser bar) are cleaned with alcohol or blown air.

Media Registration:

- Media registration and minimum label length are affected by media type, width, and print speed. Performance improves as these factors are optimized. Zebra recommends always qualifying any application with prior testing