Specifications at a Glance*

Printer Specifications

Resolution
- 203 dpi/8 dots per mm
- 300 dpi/12 dots per mm
- 600 dpi/23.5 dots per mm

Memory
- 8 MB Flash; 16 MB RAM

Print width
- 4.0"/102 mm

Print length
- 150"/3810 mm

Print speed
- 14"/356 mm per second—203dpi
- 12"/305 mm per second—300 dpi
- 6"/152 mm per second—600 dpi

Media sensors
- Transmissive and reflective

Physical Characteristics
- Width: 10.31"/261.9 mm
- Height: 15.5"/393.7 mm
- Depth: 20.38"/517.5 mm
- Weight: 50 lbs/22.7 kg

Operating characteristics

Environment
- Operating Temperature:
  40° F/5° C to 105° F/40° C (Thermal Transfer)
  32° F/0° C to 105° F/40° C (Direct Thermal)
- Storage/Transport Environ.:
  -40° F/-40° C to 140° F/60° C
- Operating Humidity: 20-85% non-condensing
- Storage Humidity: 5-85% non-condensing

Electrical
- 90-264VAC; 48 – 62Hz

Agency approvals
- IEC 60950-1, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3

Product Markings
- FCC-B, C-Tick

Media characteristics

Labels
- Minimum non-continuous label length:
  - .25"/6 mm—Rewind mode
  - .5"/13 mm—Peel mode
  - .7"/18 mm—Tear-off mode
  - 1.5"/38 mm—Cutter mode
- Maximum label and liner width: .79"/20 mm to 4.5"/114 mm
- Maximum media roll size: 8"/203 mm O.D. on a 3"/76 mm I.D. core
- Media thickness: .003"/.076 mm to .012"/.305 mm
- Media types: Continuous, die-cut, or black mark, notch

Ribbons
- Outside diameter: 3.2"/81.3 mm
- Standard length: 1476'/450 m or 984'/300 m
- Ratio: 2/3:1 media to roll to ribbon
- Ribbon setup: Coated side out
- Core inner diameter (I.D.): 1"/25.4 mm

ZebraLink™ Tools

Software
- ZebraDesigner™ Pro— an intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner—offers basic features for simple label design
- ZebraDesigner for XML—easy-to-use label design software that enables printing on XML enabled printers
- ZebraNet™ Bridge Enterprise—centrally manage Zebra printers from a computer anywhere on your network
- ZebraNet Utilities v 7.0—provides enhanced printing, conversion, and administration capabilities; message management; and more

Networking
- Serial RS-232 and bi-directional parallel ports—with auto detect
- USB 2.0 port

Firmware
- ZPL II® programming language—selectable through software or front panel
- XML-Enabled printing—allows XML communications for bar code label printing, eliminating license fees and print server hardware and lowering customization and programming costs

Fonts/graphics/symbologies

Fonts and character sets
- Bitmap fonts A through H and GS symbols are expandable up to 10 times, height and width independent
- Smooth scalable font Ø (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height and width independent
- IBM® Code Page 850 International Characters
- Contains UFST® from Monotype Imaging, Inc.

Graphic features
Supports user-defined fonts and graphics—including custom logos

Bar code symbologies
- Bar code ratios: 2:1, 7:3, 5:2, and 3:1
- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Codes, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2-or 5-digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar and Planet Code
- 2-Dimensional: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, MicroPDF, RSS-14 (and composite), Aztec

Communication and Interface Capabilities
- ZebraNet 10/100 Print Server—supports 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks.
- USB 2.0—12 Mbits/second
- High-speed bi-directional parallel interface—IEEE 1284-1994 compatibility, ECP, nibble mode
- High-speed serial interfaces:
  - RS-232C with DB9F connector, optional converter for DB25F available
  - Optional RS-422/485 with multidrop capability to network multiple printers from a single host with external adapter
  - Software (XON/XOFF) or hardware (DTR/DSR) communication handshake protocols
- Applicator interface—with DB15F connector

Options and accessories

Printer Options
- Clear media side bi-fold door—allows shorter media door opening radius
- Full-width rotary knife cutter and catch tray—operates under software control cutting labels individually or in strips
- Media rewind spindle—rewinds finished roll internally onto 3"/76 mm core or enables label peel and liner rewind
- Applicator interface—provides status and control signals for applicators and remote control devices
- Media supply spindle for 3"/76 mm core or 15.7"/40 mm core
- Flash memory—factory installed 64 MB (61 MB user available)
- Additional fonts

ZebraNet Print Server Options
- Features provided by ZebraNet Print Servers include:
  - Web View Web pages—connect and control Zebra bar code printers via the printer's Web interface using common Internet browsers
  - Alerts—provide alerts via any e-mail-enabled, wired, or wireless device to minimize downtime
- ZebraNet Internal Wireless Plus Print Server