SPECIFICATIONS AT A GLANCE*

Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminum base, frame and printhead mechanism
- Metal media cover with large clear window
- Element Energy Equalizer™ (E³™) for superior print quality
- Auto-calibration
- Real-time clock
- Auto-ranging (90–265 VAC) power supply
- Color-coded operator cues
- Multi-language control panel with back-lit
- 240 x 128 pixel display
- ZPL II®
- XML-Enabled printing—Direct-connect integration for bar code label printing that eliminates license fees and print server hardware, and lowers customization and programming costs

Printer Specifications

Resolution
203 dpi/8 dots per mm; 300 dpi/12 dots per mm; 600 dpi/24 dots per mm (ZM400 only)

Memory
- Standard: 8 MB Flash, 16 MB DRAM
- Optional: Factory Installed 64 MB Flash

Print Width
- ZM400: 4.09"/104 mm
- ZM600: 6.6"/168 mm

Print Length
- ZM400: with 203 dpi: 157"/3,988 mm; with 300 dpi 73"/1,854 mm; with 600 dpi 39"/991 mm
- ZM600: with 203 dpi: 102"/2,590 mm; with 300 dpi 45"/1,143 mm

Print Speed
- 203 dpi: 10"/254 mm per second;
- 300 dpi: 8"/203 mm per second;
- 600 dpi: 4"/102 mm per second

Media Sensors
- Fixed reflective sensor
- Adjustable transmissive sensor media characteristics

Maximum label and liner length
Maximum non-continuous: 39"/991 mm

Maximum label and liner width
- ZM400: 4.5"/114 mm
- ZM600: 7.0"/178 mm

Maximum roll diameter
8.0"/203 mm

Core diameter
3"/76 mm

Media thickness
0.0023"/0.058 mm to 0.010"/.25 mm

Media types
- Continuous, die-cut, tags, black-mark
- For optimum print quality and performance, use genuine Zebra™ supplies.

Ribbon Characteristics

Outside diameter
3.2"/81.3 mm

Standard length
984'/300 m or 1476'/450 m

Ratio
- 3:1 media roll to ribbon.
- Ribbon must be at least as wide as media

Width
- ZM400: 2.00"/51 mm to 4.33"/110 mm
- ZM600: 2.00"/51 mm to 6.85"/174 mm

Ribbon setup
- Ribbon wound ink-side out (ribbon wound ink-side in can be used with optional ribbon spindle on ZM400)

Core I.D.
1.0"/25.4 mm

Operating Characteristics

Environmental
- Operating temperature:
  32° F/0° C to to 104° F/40° C (Direct Thermal)
  40° F/5° C to 104° F/40° C (Thermal Transfer)
- Storage temperature:
  -40° F/-40° C to 140° F/60° C
- Operating humidity: 20-85% non-condensing
- Storage humidity: 5-85% non-condensing

Electrical
Universal auto-ranging (PFC-compliant) power supply 90-265 VAC; 48-62Hz

Agency Approvals
- IEC 60950-1, EN55022 Class B, EN55024, EN61000-3-2,3
- Markings: cULus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, CCC, GOST-R, BMSI, S-Mark, MIC, ZIK

Physical Characteristics

- Width: 10.9"/278 mm
- Height: 13.3"/338 mm
- Depth: 18.7"/475 mm
- Weight: 32.4 lbs/15 kg
- Shipping weight: 49 lbs/22 kg

Zebralink™ Solutions

Software
- ZebraDesigner™ Pro
- ZebraDesigner for XML
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v 7.0
- Zebra Universal Driver
- ZBI-Developer™
- Additional scalable and bitmapped fonts available

Networking/Connectivity

- ZebraNet® Internal Wireless Plus
- ZebraNet Wireless Plus
- ZebraNet 10/100 Print Server
- ZebraNet PrintServer II (external)
- RS-232C serial port
- High-speed, IEEE1284, bi-directional parallel
- interface
- USB 2.0

Firmware
- ZPL II®
- EPL™
- XML-Enabled Printing
- APL™
- Web View
- Alert
- ZBI 2.0™

Fonts/Graphics/Symbologies

Fonts and Character Sets
- 7 bitmapped, 1 smooth scalable
- Native open type font support
- Global Printing—Unicode™ compliant for fast multi-language, on demand thermal printing right out of the box.
- Contains UFST® from Monotype Imaging Inc.

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

Bar Code Symbologies
- Linear Bar Codes: Code 11, Code16k, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, 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, Planet Code
- 2-Dimensional: Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, GS1 DataBar (RSS), Aztec

Options and Accessories

- Factory installed 64 MB Flash memory option
- Cutter with catch tray
- Peel—a front mount, passive peel option with no liner take-up
- Liner take-up (works with peel option)—full roll liner take-up spindle (fits standard base, ZM400 only)
- Rewind—internally rewinds full label roll on 3" core (comes with taller, non-standard printer base)
- RS-422/485 serial port adapter
- Optional ribbon spindle to support ribbon wound ink-side in (ZM400 only)