Zebra® Z Series®



The ZM400™ and ZM600™ printers fulfil all of the functions of the current Z Series range, only better: more connectivity choices, improved performance and easier maintenance make the enhanced Z Series ideal for a wide range of applications.

Better connected for a connected world

- The ZM400 and ZM600 provide enhanced connectivity via USB 2.0, secure 802.11b/g wireless, or the new ZebraNet® 10/100 Print Server that allows simultaneous use of parallel and network connections
- A choice of print resolutions including 200-, 300- and 600dpi, XML-enabled printing and RFID-ready investment protection allows the ZM400 and ZM600 printers to integrate into a wide variety of applications
- These enhanced Z Series printers provide improved usability with easy loading of ribbons and labels, simple setup via a large LCD display and simple maintenance of printheads and platens

Key features

- Improved 10/100 Ethernet
- Secure 802.11b/g wireless
- User interface supporting Asian languages
- Choice of 200-, 300- and 600dpi print resolutions

Ideal for

- Work in progress
- Order fulfilment
- Compliance labelling
- Distribution
- Warehouse management
- Shipping/receiving
- Post and parcel

Get the most out of your Zebra, put Genuine Zebra Supplies™ in!

Zebra offers a wide range of supplies for Z Series printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads



For more information, visit www.zebra.com

Specifications at a glance*

Standard features

- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminium base, frame and printhead mechanism
- Metal media cover with large clear window
- Element Energy Equalizer™ ($E^{3®}$) for superior print quality
- Auto-calibration
- Real-time clock
- Auto-ranging (90–265VAC) power supply
- Colour-coded operator cues
- Multi-language control panel with back-lit 240x128 pixel display

Printer specificartions

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

Memory
- Standard: 8MB flash, 16MB DRAM
- Optional: Factory-installed 64MB flash

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

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

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

Media sensors
- Fixed reflective sensor
- Adjustable transmissive sensor

Media characteristics

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

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

Maximum roll diameter
- 203mm/8.0"

Core diameter
- 76mm/3"

Media thickness
- 0.058mm/0.0023" to 0.25 mm/0.010"

Media types
- Continuous, die-cut, tags, black-mark

Ribbon characteristics

Outside diameter
- 81.3mm/3.2"

Standard length
- 300m/984' or 450m/1,476'

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

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

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

Core internal diameter
- 25.4mm/1.0"

Operating characteristics

Environmental
- Operating temperature: 0ºC to 40ºC (Direct Thermal); 5ºC to 40ºC (Thermal Transfer)
- Storage temperature: -40ºC to 60ºC
- Operating humidity: 20–85% non-condensing
- Storage humidity: 5–85% non-condensing

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

Agency Approvals
- IEC60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 55022 Class B
- Markings: cTUVus, CE, FCC-B, ICES-003, VCCI, C-Tick, NOM, CCC, GOST-R, BSMI, S-Mark (Arg), SABS, MIC, ZIK

Physical characteristics

Width
- ZM400: 278mm/10.9"
- ZM600: 341mm/13.4"

Height
- ZM400: 338mm/13.3"
- ZM600: 338mm/13.3"

Depth
- ZM400: 475mm/18.7"
- ZM600: 475mm/18.7"

Weight
- ZM400: 15kg/32.4lb
- ZM600: 16kg/34.7lb

Shipping weight
- ZM600: 22kg/49lb
- ZM600: 24.5kg/54lb

Zebralink™ solutions

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

Networking/Connectivity
- ZebraNet Internal Wireless Plus Print Server
- ZebraNet 10/100 Print Server
- RS-232-C serial port
- High-speed IEEE 1284 bi-directional parallel interface
- USB 2.0

Firmware
- ZPL II®
- EPL™
- XML-enabled printing
- Web View
- Alert
- ZBI 2.0
- ZBI Developer

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: Codabar, Code 11, Code 16k, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, EAN-8, EAN-13, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Planet Code, Plessey, Postnet, Standard 2-of-5, UPC-A, UPC-E, UPC and EAN 2 or 5 digit extensions
- Two-Dimensional: Aztec, Codablock, Code 49, Data Matrix, GS1 DataBar (RSS), MaxiCode, MicroPDF417, PDF417, QR Code, TLC 39

Options and accessories

- 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 (76mm) core (comes with taller, non-standard printer base)
- RS-422/RS-485 serial port adaptor
- Optional ribbon spindle to support ribbon wound ink-side in (ZM400 only)

Thinking about mobilising your workforce?

The use of mobile printers in a warehouse or supply-chain environment improves productivity and provides a fast return on investment.

For more information, visit www.zebra.com or e-mail mseurope@zebra.com

*Specifications subject to change without notice.

©2010 ZIH Corp. Element Energy Equalizer, EPL, Genuine Zebra Supplies, ZebraDesigner, ZebraLink, ZebraNet and all product names and numbers are Zebra trademarks, and E^3, Z Series, Zebra, representation of Zebra Head, ZebraNet and ZPL II are registered trademarks of ZIH Corp. All rights reserved. Unicode is a trademark of Unicode, Inc. UFST is a registered trademark of Monotype Imaging, Inc.
All other trademarks are the property of their respective owners.

Zebra Technologies – EMEA Headquarters & Sales Office
Zebra Technologies Europe Limited, Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5XF, United Kingdom
Telephone: +44 (0)1628 556000 **Fax:** +44 (0)1628 556001 **E-mail:** mseurope@zebra.com **Web:** www.zebra.com

Other EMEA Locations
Europe: France, Germany, Italy, the Netherlands, Poland, Spain, Sweden **Middle East & Africa:** Dubai, South Africa

www.zebra.com

12539L Rev.7 (06/10)