

# Zebra® Z Series®

The Price-Performance Leaders



## ZM400™ and ZM600™—Flexing New Powers

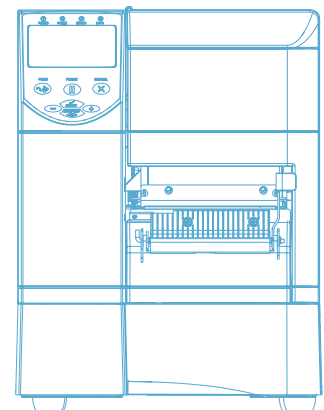
The ZM400 and ZM600 printers bring added flexibility to the popular Z Series platform, which has always stood out from the competition in terms of both performance and price. With 10-inches-per-second print speed, industry-leading throughput, rugged reliability, and a wide selection of options, these full-sized metal printers enhance productivity in tough environments and demanding applications.

## Better Connected for a Connected World

The new Z Series printers better connect with most warehouse/manufacturing and business applications. The ZM400 and ZM600 are better connected to your network—through USB 2.0, 802.11b/g secure wireless, or our new ZebraNet® 10/100 Print Server that allows simultaneous parallel and Ethernet connectivity. They're better connected to your applications—with RFID Ready investment protection, choice of print resolution including 600 dpi, and XML-enabled printing. And they're better connected to your needs—with easy setup via a large, easy-to-read front panel that includes Asian-language support; easy loading of supplies; and easy maintenance with quick-changing printheads and platens.

On top of the hard-working durability and easy use of these die-cast metal frame printers, the speed-optimized ZM400 and ZM600 are perfect for:

- Work in process
- Order fulfillment
- Compliance labeling
- Distribution
- Warehouse management
- Shipping/Receiving
- Hospitality/Transportation ticketing
- Pharmacy/Healthcare



**nefton**  
Ζύγηση  
Σήμανση  
Συμμόρφωση

Νεφτών Τεχνολογίες ΑΒΕΕ  
Γέρακα 113, Τ.Θ. 67934  
15344 Γέρακας  
Τηλ: 210 6654544  
Fax: 210 6654545  
marketing@nefton.gr  
www.nefton.gr



## ZM400 ZM600

Delivering quick first label out, shorter print times, and application flexibility, Z Series printers are unbeatable for enhancing productivity and the bottom line.

### 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™ (E<sup>3B</sup>) 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

#### 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

4.5"/114 mm—ZM400  
 7.0"/178 mm—ZM600

##### 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

2.00"/51 mm to 4.33"/110 mm

##### Ribbon setup

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

##### Core I.D.

1.0"/25.4 mm

#### OPERATING CHARACTERISTICS

##### Environmental

Operating temperature:  
 32° F/0° C 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

IEC60950-1, EN55024, EN61000-3-2, EN61000-3-3, 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: 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  
 Additional scalable and bitmapped fonts available

##### Networking/Connectivity

ZebraNet® Wireless Plus  
 ZebraNet 10/100 Print Server  
 ZebraNet PrintServer II  
 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

#### FONTS/GRAPHICS/SYMBOLOLOGIES

##### 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 Symbolologies

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)

\*Specifications subject to change without notice.

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For optimal printing quality and proper printer performance across our product line, Zebra strongly recommends the use of genuine Zebra supplies as part of the total solution. Specifically, the ZM400 and ZM600 are designed to work only with genuine Zebra™ print-heads, thus maximizing safety and print quality.



#### GLOBAL/AMERICAS HEADQUARTERS

Zebra Technologies Corporation  
 333 Corporate Woods Parkway  
 Vernon Hills, IL 60061-3109 U.S.A.  
 T: +1 847 793 2600 or  
 +1 800 423 0442  
 F: +1 847 913 8766

#### EMEA HEADQUARTERS

Zebra Technologies Europe, Limited  
 Zebra House, Unit 14, The Valley Centre  
 Gordon Road, High Wycombe  
 Buckinghamshire HP13 6EQ, UK  
 T: +44 (0) 494 472872  
 F: +44 (0) 494 450103

#### ASIA-PACIFIC HEADQUARTERS

Zebra Technologies Asia Pacific, LLC  
 16 New Industrial Road  
 #05-03 Hudson TechnoCentre  
 Singapore 536204  
 T: +65 6858 0722  
 F: +65 6885 0838

OTHER LOCATIONS » USA California, Rhode Island, Texas, Wisconsin EUROPE France, Germany, Italy, Netherlands, Poland, Spain, Sweden  
 ASIA-PACIFIC Australia, China, Japan, South Korea LATIN AMERICA Florida (USA), Mexico AFRICA/MIDDLE EAST South Africa, United Arab Emirates



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