

# 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.

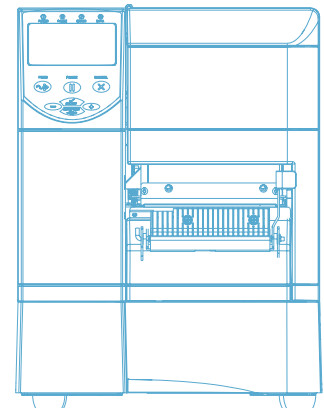
## Better Connected for a Connected World

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





## 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)



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