

# Zebra® Z Series®

The Price-Performance Leaders



## ZM400™ and ZM600™—Flexing New Powers

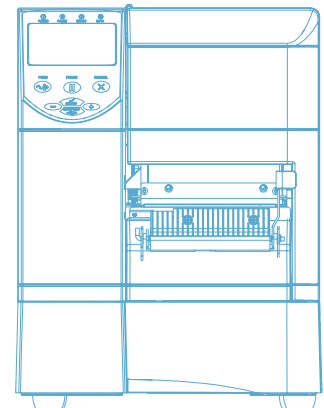
The ZM400 and ZM600 printers bring added flexibility to the popular Z Series platform, which has always stood out from the competition in terms of both performance and price. With 10-inches-per-second print speed, industry-leading throughput, rugged reliability, and a wide selection of options, these 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 (upgrade kit for RFID enablement not yet available in North America), choice of print resolution including 600 dpi, and XML-Enabled printing as a standard feature. 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>3</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 backlit 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 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/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.



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