

Zebra® Z Series®

The Price-Performance Leaders



ZM400™ and ZM600™—Flexing New Powers

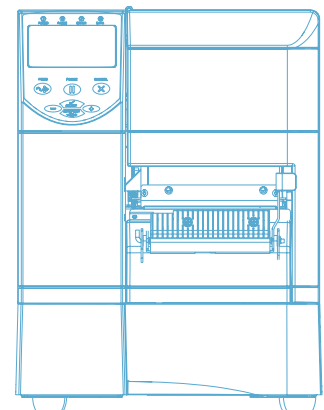
The ZM400 and ZM600 printers bring added flexibility to the popular Z Series platform, which has always stood out from the competition in terms of both performance and price. With 10-inches-per-second print speed, industry-leading throughput, rugged reliability, and a wide selection of options, these 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™ (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 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
 Additional scalable and bitmapped fonts available

Networking/Connectivity

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

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)

*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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Zebra Technologies Corporation
 An ISO 9001 registered company
 GSA#: GS-35F-0268N
 ©2007 ZIH Corp. Printed in U.S.A.
 #13391L Rev.14 (11/07) 5M

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