

Zebra ZM400 & ZM600

BAR CODE PRINTERS

ISIS
integration

The best in class just got better

Price-competitive, rugged Z Series® metal printers have always been the price-performance leaders in their class. Offering 10-inches-per-second print speed, fast throughput, and rugged reliability, these industrial/commercial workhorses enhance productivity in a wide range of warehouse, manufacturing, and business applications. Now, the ZM400 and ZM600 printers offer more options to meet an even wider array of applications and needs.

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 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.

Variety of applications

Paired with performance-matched genuine Zebra™ supplies for optimal printing performance, the ZM400/ZM600 are perfect for many industries and applications, including:

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



Flexing more powers

The ZM400 and ZM600 printers bring new flexibility to the solid and popular Z Series platform to better connect with a connected world.

Better connected to your network

- USB 2.0—For plug-and-play simplicity
- Secure 802.11b/g wireless—Advanced authentication and encryption supporting Cisco's CB21AG and Motorola's LA-4137CF radio cards
- ZebraNet® 10/100 Print Server—Fast LAN connectivity with simultaneous parallel and Ethernet operability

Better connected to your applications

- Engineered RFID Ready for smooth transition to smart label encoding
- 600 dpi availability—High-density printing for increased print clarity
- APL-1™/APL-D™—Alternate Programming Language allows ZM400/ZM600 to print legacy label formats on select Datamax and Intermec printers. For additional Datamax compatibility, ZM400 has an optional ribbon spindle that supports ribbon wound ink-side in
- XML-enabled printing option—For easy, direct-connect integration with ERP applications

Better connected to your needs

- Large, backlit LCD—Easy to read with intuitive menu commands for quick printer configuration
- Multi-lingual capabilities—Unicode™-compliant printing, plus menu commands translated into 15 languages, offer a one-printer solution for worldwide distribution facilities
- Quick and easy replacement of platen and field-installable printhead—Requires no tools and only limited technical knowledge

Zebra Z series specifications

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
- Colour-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 printer server hardware, and lowers customisation 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

Operating temperature:	0° C to 40° C (Direct Thermal) 5° C to 40° C (Thermal Transfer)
Storage temperature:	-40° C to 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:	278 mm
Height:	338 mm
Depth:	475 mm
Weight:	15 kg
Shipping weight:	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 are subject to change without notice.

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