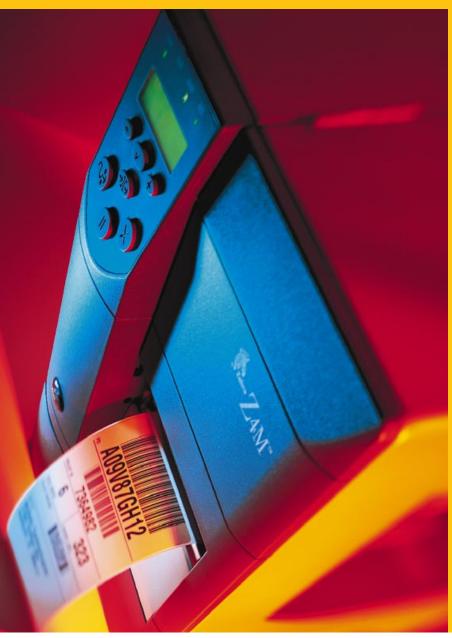# Z4M™

Thermal, On-demand, Metal Bar Code Printer

Get acquainted with a rugged, new Z Series™ metal printer—the Z4M.

The Z4M thermal printer has a personality all its own—along with a rugged look and feel characteristic of a Zebra workhorse. Charcoal gray accents enhance the printer's sleek, contoured design while providing improved dirt-and smudge-resistance in the most industrial work environments.

Powerful, Price-Performance Leader

Get more bang for your buck! One of Zebra's fastest printers at 10 inches per second, this state-of-the-art metal printer with back-lit LCD control panel works hard, but is easy on your budget.

When it's on the line.™

Z4M™

Rugged Construction

- Heavy-gauge steel media and electronics covers
- Die-cast aluminum base, frame and printhead mechanism

Competitively Priced, State-of-the-art Printer

- Price-performance leader
- More standard features per dollar than any other printer in its class
- Print speeds up to 10 inches per second
- **New** ZebraLink connectivity and control solution

Simple, Reliable Operation

- Standard back-lit LCD control panel for printer adjustments on the fly
- Printhead with head open lock stays in full open position for convenient media loading
- Full-size media window for easier viewing of your label and ribbon supplies
- Color-coded operator cues, auto-calibration for intuitive operation and quick printer set-up

For more information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site.

www.zebra.com

FM-32328
An ISO 9001 registered company

Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminum base, frame and printhead mechanism
- ZebraLink
- Metal media cover with large clear window
- Zebra E³™ Printhead Energy Control
- Auto-calibration
- Auto-detectable power supply
- Color-coded operator cues
- Back-lit LCD control panel

Zebra Programming Language

- ZPL® & ZPL II®—universal language for Zebra printers. Simplifies label formatting and enables seamless compatibility with other Zebra printers.
- ZBI—works with ZPL to control and interpret text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

Operating Characteristics

Environment

- Operating Temp. 40°F/5°C to 105°F/40°C
- Storage/Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20-85% non-condensing
- Storage Humidity 5-85% non-condensing

Electrical

- Universal auto-detectable (PFC-compliant) power supply 90-265 VAC; 48-62 Hz; 5A fused

Communication Interface Capabilities

- RS-232C/422/485 serial port
- Bi-directional parallel port

Agency Approvals

- UL 1950; CISPR 22 (Class B); IEC 950; 801-2, -3 and -4 standards; Canadian Doc. (Class A); FCC (Class B); CE compliance

Media Characteristics

Labels

Max. Roll Size
- 8"/203mm O.D. on a 3"/76mm I.D. core

Thickness (label & liner)
- .0023"/.058mm to .01"/.25mm

Media Types
- Continuous or fanfold, die-cut, notched, tag stock, black mark, perforated

For optimum print quality and printer performance, use Genuine Zebra supplies.

Ribbons

Ribbon is recommended to be at least as wide as media.

Max. Roll Size
- 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core

Standard Lengths
- 1476'/450m; provides 2:1 & 3:1 media roll to ribbon ratios

Ribbon Set-up
- Ribbon wound ink side out

Fonts/Graphics/Symbologies

Fonts and Character Sets

- Standard Fonts: 9 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set
- Optional European and Asian font sets

Graphic Features

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—including boxes and lines

Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- Two-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417

Options and Accessories

- 300dpi printhead
- Up to 2MB Flash; up to 8MB via PCMCIA card
- Cutter with catch tray
- Value peel—a front mount, passive peel option with no liner take-up
- Liner take-up (works with value peel option)—full roll liner take-up spindle (comes without rewind; fits standard printer base)
- Rewind—internally rewinds full label roll on three-inch core (comes with four-inch, non-standard printer base)
- PCMCIA connector (supports PC cards up to 8MB)
- ZebraNet® PrintServer II (for Ethernet connectivity)
- BAR-ONE® software
- European and Asian font sets

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.

Z4M

The rugged Z4M is ideal for a wide variety of applications, including:

- Shipping/Receiving
- Compliance labeling
- Asset tracking
- Inventory control
- Ticketing
- Work-in-process
- Commercial/Small business

ZebraLink™

ZebraLink, a revolutionary real-time connectivity and control solution for Zebra printers, includes:

1. *WebView*—enables the remote monitoring and configuration capability of Zebra printers in real-time using Web-based tools.

2. *Alert*—enables a Zebra printer to receive or send error Alert condition messages via the Internet.

3. *ZBI*™—programming language that works with ZPL II to control and interpret incoming text and data.

ZebraLink gives you the freedom to replace other bar code printers with the superior performance and reliability of Zebra printers, without costly reprogramming of your host system. Or, you can create a stand-alone application using the Z4M printer and, for example, a scanner or weigh-scale, without the need for a PC. Internet-aware, ZBI can transmit data captured by these peripheral devices over your LAN, WAN, or wireless network via e-mail or TCP-IP messaging.

Maximum Print Area

Width: 4.09"/104mm
Length with 203dpi:
    105"/2,667mm (with standard memory)
Length with 300dpi:
    49"/1,245mm (with standard memory)

Resolutions

203dpi/8dots per mm; 300dpi/12dots per mm

Maximum Print Speed

10"/254mm per second (with 203dpi)

Memory

Standard: 4MB DRAM (2MB user available)
Optional: Up to 2MB Flash; up to 8MB Flash via PCMCIA card

Physical Characteristics

Width: 10.93"/278mm
Depth: 18.69"/475mm
Height: 13.32"/338mm
Weight: 32.4lbs/15kg

Media Specifications

Label and liner width:
    1"/25.4mm to 4.5"/114mm
Ribbon width:
    2"/51mm to 4.33"/110mm