



Zebra® Z4M™/Z6M™

Thermal, On-Demand, Metal Bar Code Printers

The rugged Z Series™ metal printers.

The Z4M and Z6M thermal printers have a personality all their own—along with a rugged look and feel characteristic of a Zebra workhorse. These hard-working, die-cast metal frame printers perform reliably and thrive in light-industry or office environments.

Powerful, Price Performance Leaders

Among Zebra's fastest printers at 10 inches per second, these popular performers come equipped with more standard features per dollar than any other printers in their class. With backlit LCD control panel, full-size media window, and auto-calibration, plus a convenient printhead open-lock feature, operating and loading a Z Series printer is truly simple. Exceptional performance, exceptional value!

Real-Time Connectivity and Control

The Z4M/Z6M offer ZebraLink™ with Alert and WebView (with ZebraNet® PrintServer II) for centralized printer management. ZebraLink also includes ZBI™ (Zebra BASIC Interpreter) to permit stand-alone operation of a printer and peripheral devices without needing a PC host. ZBI can then transmit data captured by these devices over your network via e-mail or TCP/IP messaging.



The rugged Z4M/Z6M metal printers are ideal for a wide variety of applications, including:

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



Connect with it. Count on it.™



Test drive a Z4M with ZebraLink today at www.zebra.com/livelink!



Z4 M™**Z6 M™**

Specifications at a Glance*

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 104° 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" /203 mm O.D. on a 3" /76 mm I.D. core
 Thickness (label & liner): .0023" / .058 mm to .01" / .25 mm
 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

Max. Roll Size: 3.2" /81.3 mm O.D. on a 1" /25.4 mm I.D. core
 Standard Lengths: 1476' /450 m; provides 3:1 media roll to ribbon ratios
 Ribbon Setup: Ribbon wound ink side out
 Ribbon is recommended to be at least as wide as media.

FONTS/GRAPHICS/SYMBOLS

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 Symbolisms

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
 2-Dimensional Bar Codes: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417

OPTIONS AND ACCESSORIES

300 dpi printhead
 Up to 2 MB (onboard, user-available) Flash; up to 8 MB additional Flash via PCMCIA
 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 (fits standard base; Z4M only)
 Rewind—internally rewinds full label roll on three-inch core (comes with taller, non-standard printer base)
 PCMCIA connector (supports PC cards up to 8 MB)
 ZebraNet® PrintServer II (external)
 BAR-ONE® software
 European and Asian font sets



With die-cast aluminum base, frame, and printhead mechanism, Z4M/Z6M printers work reliably in your warehouse, plant, or small business.

MAXIMUM PRINT AREA (STANDARD MEMORY)

Z4M	Z6M
Width: 4.09"/104 mm	Width: 6.6"/168 mm
Length with 203 dpi: 105"/2,667 mm	Length with 203 dpi: 65"/1,651 mm
Length with 300 dpi: 49"/1,245 mm	Length with 300 dpi: 29"/737 mm

PHYSICAL CHARACTERISTICS

Z4M	Z6M
Width: 10.93"/278 mm	Width: 13.43"/341 mm
Depth: 18.69"/475 mm	Depth: 18.69"/475 mm
Height: 13.32"/338 mm	Height: 13.32"/338 mm
Weight: 32.4 lbs/15 kg	Weight: 34.7 lbs/16 kg

MEDIA SPECIFICATIONS

Z4M	Z6M
Label and liner width: Min: 1"/25.4 mm— Max (Tear/Cutter): 4.5"/114 mm Max (Peel/Rewind): 4.25"/108 mm	Label and liner width: Min: 2"/51 mm— Max (Tear/Cutter): 7"/178 mm Max (Peel/Rewind): 6.75"/171 mm
Ribbon width: 2"/51 mm— 4.33"/110 mm	Ribbon width: 2"/51 mm— 6.85"/174 mm

RESOLUTIONS

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

MAXIMUM PRINT SPEED

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

MEMORY

Standard: 1 MB Flash (no user-available)
 4 MB DRAM (2 MB user-available)
 Optional: Up to 2 MB (onboard, user-available)
 Flash: up to 8 MB additional Flash via PCMCIA

*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.

HEADQUARTERS Zebra Technologies International, LLC **PHONE:** +1 847.634.6700 or +1 800.423.0442 **FAX:** +1 847.913.8766
ADDRESS: 333 Corporate Woods Parkway, Vernon Hills, IL 60061-3109 U.S.A. **WEB:** www.zebra.com

OTHER LOCATIONS **USA:** California, Florida, Rhode Island, Wisconsin **EUROPE:** Denmark, France, Germany, Italy, United Kingdom
ASIA-PACIFIC: Australia, China, Japan, Singapore, South Korea **LATIN AMERICA:** Argentina, Brazil
MIDDLE EAST: United Arab Emirates



An ISO 9001 registered company
 ©2002 ZIH Corp.
 Printed in U.S.A.
 #11218L (1/03), 10M