Z4M™/Z6M™

Thermal, On-demand, Metal Bar Code Printers

Get acquainted with the rugged, new Z Series™ _metal_ printers—the Z4M and Z6M.

The Z4M/Z6M thermal printers have a personality all their 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! Among Zebra's fastest printers at 10 inches per second, these state-of-the-art metal printers with back-lit LCD control panels work hard, but are easy on your budget.

Connect with it. Count on it.™

Z4M™/Z6M™

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

Competitively Priced, State-of-the-art Printers
- Price-performance leaders
- More standard features per dollar than any other printers in their 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

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″/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

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

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

Ribbon Set-up
- Ribbon wound ink side out

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

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

Options and Accessories

- 300dpi printhead
- Up to 2MB (onboard) Flash; up to 8MB 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 8MB)
- ZebraNet PrintServer II (external)
- BAR-ONE® software
- European and Asian font sets

Z4M

Z6M

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

Maximum Print Area

Z4M Width: 4.09″/104mm
Length with 203dpi:
105″/2,667mm (with standard memory)
Length with 300dpi:
49″/1,245mm (with standard memory)

Z6M Width: 6.6″/168mm
Length with 203dpi:
65″/1,651mm (with standard memory)
Length with 300dpi:
29″/737mm (with standard memory)

Physical Characteristics

Z4M Width: 10.93″/278mm
Depth: 18.69″/475mm
Height: 13.32″/338mm
Weight: 32.4lbs/15kg

Z6M Width: 13.43″/341mm
Depth: 18.69″/475mm
Height: 13.32″/338mm
Weight: 34.7lbs/16kg

Media Specifications

Z4M Label and liner width:
1″/25.4mm to 4.5″/114mm
Ribbon width:
2″/51mm to 4.33″/110mm

Z6M Label and liner width:
2″/51mm to 7″/178mm
Ribbon width:
2″/51mm to 6.85″/174mm

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 (onboard) Flash; up to 8MB additional Flash via PCMCIA

ZebraLink™

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

1. *Alert* (with ZebraNet® PrintServer II)—enables a Zebra printer to send Alert condition messages via email—enabled tools.

2. *WebView* (with ZebraNet PrintServer II)—enables the remote monitoring and configuration capability of Zebra printers in real-time using Web-based network tools.

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