

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"/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

*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.



Z 4 M

Z 6 M

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 Interpreter)—programming language that works with ZPL II to control and interpret incoming text and data.