



Z4Mplus™/Z6Mplus™

Thermal, On-demand, Metal Bar Code Printers

Exceptional performance and value with the Z4Mplus and Z6Mplus metal printers

Up to five times faster than previous Z-series printers when processing complex labels with variable information, the Z4Mplus and Z6Mplus provide the performance you need for demanding jobs. Die-cast metal construction, a rich choice of features and options and an impressive speed of 254mm (10") per second ensure that you have a dependable printer today and in the future.

What does the "plus" mean in the Z series?

These latest printers have more standard memory, increased flash memory options, multi-language font support, a standard real-time clock and an internal ZebraNet® PrintServer option. These all add up to making the Z series unbeatable on price versus performance.



Reliability on demand™



Z4Mplus™/ Z6Mplus™

Competitive Performers, Competitive Price

- Die-cast aluminium base, frame and printhead mechanism
- Standard 8MB DRAM, 2MB Flash
- Print speeds up to 254mm (10") per second
- Standard real-time clock
- ZebraLink™ connectivity and control solution
- Internal Ethernet option
- Advanced symbology support to meet ever-changing compliance and application needs
- Multi-language font support

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
- Colour-coded operator cues, auto-calibration for intuitive operation and quick printer set-up

For further information on these products, please visit the Zebra web site at:
www.zebra.com



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Specifications at a Glance*

Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminium base, frame and printhead mechanism
- ZebraLink™
- Metal media cover with large clear window
- Zebra E³ Printhead Energy Control
- Auto-calibration
- Real-time clock
- Auto-ranging (110V to 220V) power supply
- Colour-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 Temperature 0°C (32°F) to 40°C (104°F) (Direct Thermal)
- Operating Temperature 5°C (40°F) to 40°C (104°F) (Thermal Transfer)
- Storage/Environment -40°C (-40°F) to 60°C (140°F)
- Operating Humidity 20 to 85% non-condensing
- Storage Humidity 5 to 85% non-condensing

Electrical

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

Media Characteristics

Labels

Max. Roll Size

- 203mm (8") O.D. on a 76mm (3") I.D. core

Thickness (label & liner)

- 0.058mm (0.0023") to 0.25mm (0.01")
- Maximum non-continuous label length 991mm (39")

Media Types

- Continuous or fan-fold, die-cut, notched, tag stock, black mark, perforated

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

Fonts/Graphics/Symbologies

Fonts and Character Sets

- Standard Fonts: 7 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

Options and Accessories

- 300dpi printhead
- Up to 32MB additional linear flash via PCMCIA; up to 256MB additional ATA format via PCMCIA or CompactFlash® cards
- Memory socket board for the above
- 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; Z4Mplus only)

Communication Interface Capabilities

- RS-232C serial port (DB9)
- High-speed, IEEE1284, bi-directional parallel port
- ZebraNet® PrintServer II (internal or external)

Agency Approvals and Product Markings

- Agencies: IEC60950, EN55024 Class B, EN55024, EN61000-3-2, EN61000-3-3
- Markings: cULus, CE Marking, FCC-B, ICES-003, VCCI, C-Tick, NOM, IRAM, CCC, GOST-R, BSMI (pending)

Ribbons

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

Max. Roll Size

- 81.3mm (3.2") O.D. on a 25.4mm (1") I.D. core

Standard Lengths

- 450m (1476'); provides 3:1 media roll to ribbon ratios

Ribbon Set-up

- Ribbon wound ink-side out

Bar Code Symbologies

- Linear Bar Codes: Code 11, 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 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code, RSS
- 2-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39, RSS

- Rewind – internally rewinds full label roll on 76.2mm (3") core (comes with taller, non-standard printer base)
- Adjustable transmissive sensor (Z4Mplus only)
- ZebraNet® PrintServer II (internal or external)
- BAR-ONE® software
- European and Asian font sets
- RS-422/485 serial port adaptor



Z 4 M p l u s™

Z 6 M p l u s™

These durable metal printers, now up to **five times faster** than previous models when processing labels with variable information, are perfect for applications such as:

- Shipping/Receiving
- Ticketing
- Compliance labelling
- Work-in-process

Z4Mplus

Maximum Print Area (Standard Memory Continuous Media)

Width: 104mm (4.09")

Length with 203dpi:

4,202mm (165") (with standard memory)

Length with 300dpi:

1,869mm (73") (with standard memory)

Physical Characteristics

Width: 278mm (10.93")

Depth: 475mm (18.69")

Height: 338mm (13.32")

Weight: 15kg (32.4lb)

Media Specifications

Label and liner width:

Min. 25.4mm (1")

Max. (Tear/Cutter) 114mm (4.5")

Max. (Peel/Rewind) 108mm (4.25")

Ribbon width:

51mm (2") to 110mm (4.33")

Resolutions

8 dots per mm (203dpi); 12 dots per mm (300dpi)

Maximum Print Speed

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

Memory

Standard: 2MB flash, 8MB DRAM

Optional: Up to 32MB additional linear flash via PCMCIA; up to 256MB additional ATA format via PCMCIA or CompactFlash cards

Z6Mplus

Maximum Print Area (Standard Memory Continuous Media)

Width: 168mm (6.6")

Length with 203dpi:

2,946mm (116") (with standard memory)

Length with 300dpi:

1,254mm (49") (with standard memory)

Physical Characteristics

Width: 341mm (13.43")

Depth: 475mm (18.69")

Height: 338mm (13.32")

Weight: 16kg (34.7lb)

Media Specifications

Label and liner width:

Min. 51mm (2")

Max. (Tear/Cutter) 178mm (7")

Max. (Peel/Rewind) 171mm (6.75")

Ribbon width:

51mm (2") to 174mm (6.85")

Resolutions

8 dots per mm (203dpi); 12 dots per mm (300dpi)

Maximum Print Speed

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

Memory

Standard: 2MB flash, 8MB DRAM

Optional: Up to 32MB additional linear flash via PCMCIA; up to 256MB additional ATA format via PCMCIA or CompactFlash cards

*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.