Z4Mplus™/Z6Mplus™

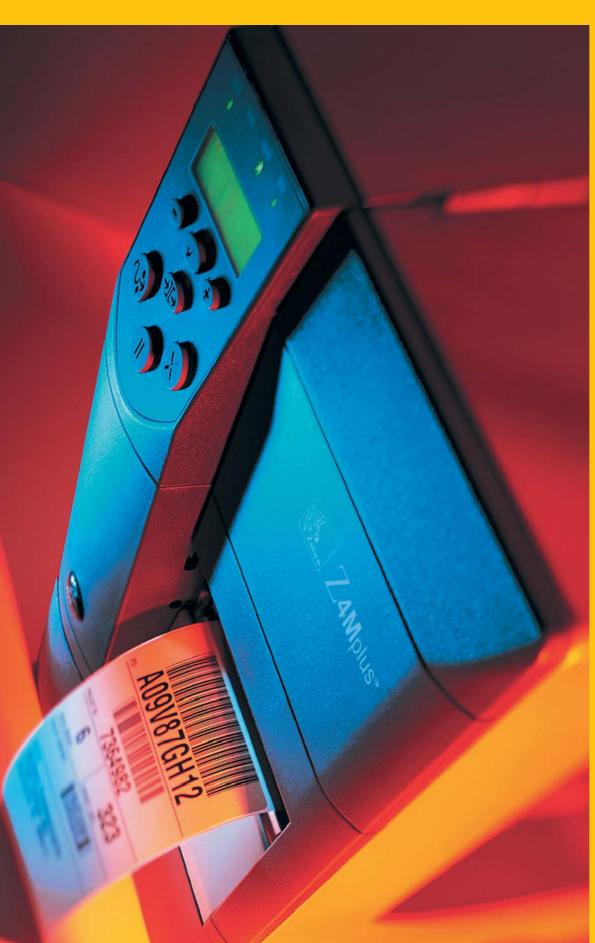## Thermal, On-demand, Metal Bar Code Printers

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 contruction, 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™

Zebralink™ Solutions

Software
ZebraDesigner™ Pro
ZebraNet™ Bridge Enterprise
ZebraNet Utilities v 7.0
Zebra Universal Driver
European and Asian font sets

Networking
ZebraNet Wireless PrintServer (internal)
ZebraNet 10/100 Print Server (internal or external)
ZebraNet PrintServer II (internal or external)

Firmware
ZPL II® - Universal language for Zebra printers

APL™ - In many cases, Zebra's Alternate Programming Language allows integration of the Z-series printers into mixed printer environments without format re-programming

Web View - Enables you to connect and control your bar code printer's Web interface using a common Web browser

Alert - Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime

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

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
- ZPL II® – universal language for Zebra printers

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

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)

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.

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

Fonts/Graphics/Symbologies

Fonts and Character Sets
- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Pre-loaded Unicode™-compliant scalable fonts for EMEA character sets
- 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
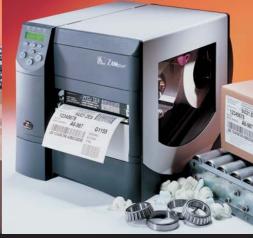
Bar Code Symbologies
- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C codes, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code, RSS
- 2-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39, RSS

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)
- Rewind – internally rewinds full label roll on 76.2mm (3") core (comes with taller, non-standard printer base)
- Adjustable transmissive sensor (Z4Mplus only)
- ZebraNet Wireless Print Server (internal)
- ZebraNet 10/100 Print Server (internal or external)
- ZebraNet PrintServer II (internal or external)
- European and Asian font sets
- RS-422/485 serial port adaptor

Z4Mplus™   Z6Mplus™

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
- Compliance labelling
- Ticketing
- 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: 4MB 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: 4MB 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.