



## 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 E<sup>3</sup> 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.