



# Zebra® Z Series Metal

Thermal, On-Demand, Metal Bar Code Printers

## Z4Mplus and Z6Mplus—Sleek with Speed

Processing labels fast is a breeze with the Z4Mplus and Z6Mplus industrial and commercial bar code printers. At 10 inches (254 mm) per second, these Zebra printers output labels quickly and efficiently, maximizing production and minimizing wait time for demanding jobs like variable-information applications. The Z4Mplus and Z6Mplus die-cast metal construction means reliability and top performance for industrial environments and distribution centers.

## Competitive Performers, Competitive Price

Z Series printers stand up to the competition, in terms of both performance and price. Rely on these top-of-the-line performers to get the job done cost-effectively, with Zebra's faster linear PCMCIA Flash memory option that drives productivity farther than ever before! The Z Series offers many standard features per dollar, including ZebraLink™ with Alert and WebView for centralized printer management. With ZebraNet® Print Server options, super-fast external memory options, industry-leading throughput, and complex multi-language font support, the Z4Mplus and Z6Mplus are unbeatable commercial printers.

On top of the hard-working durability and easy use of these die-cast metal frame printers, the newly speed-optimized Z4Mplus and Z6Mplus are perfect for:

- Work in process
- Order fulfillment
- Compliance labeling
- Distribution
- Shipping/Receiving
- Hospitality/Transportation ticketing



Connect with it. Count on it.™

**Z4Mplus****Z6Mplus**

## 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  
 Real-time clock  
 Auto-ranging (110 V–220 V) power supply  
 Color-coded operator cues  
 Back-lit LCD control panel

### Zebra Programming Language

ZPL® & ZPL II®—universal language for 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 or WAN via e-mail or TCP/IP messaging.

### OPERATING CHARACTERISTICS

#### Environment

Operating Temp. 32° F/0° C to 104° F/40° C (Direct Thermal)

Operating Temp. 40° F/5° C to 104° F/40° C (Thermal Transfer)

Storage Temp. -40° F/-40° C to 140° F/60° C

Operating Humidity 20-85% non-condensing

Storage Humidity 5-85% non-condensing

#### Electrical

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

#### Communication Interface Capabilities

RS-232C serial port

High-speed, IEEE1284, bi-directional parallel interface

ZebraNet Wireless Print Server option (internal)

ZebraNet 10/100 Print Server options (external)

ZebraNet Print Server II option (internal and 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: 8"/203 mm O.D. on a 3"/76 mm I.D. core

Thickness (label & liner): .0023"/.058 mm to .01"/.25 mm

Maximum non-continuous label length 39"/991 mm

Media Types: Continuous or fanfold, die-cut, notched, tag stock, black mark, perforated

For optimum print quality and print engine performance, use Genuine Zebra Supplies.

#### Ribbons

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

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

Ribbon Setup: Ribbon wound ink side out  
 Ribbon must be at least as wide as media.

### FONTS/GRAPHICS/SYMBOLOGIES

#### Fonts and Character Sets

7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)

Sets: International character sets supporting the following code pages:

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 digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code, RSS

2-Dimensional: Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, Micro PDF417, TLC 39, RSS

### OPTIONS AND ACCESSORIES

Standard Memory: 4 MB Flash, 8 MB DRAM

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

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 three-inch core (comes with taller, non-standard printer base)

Memory socket board option

Adjustable transmissive sensor

ZebraNet Wireless Print Server

ZebraNet 10/100 Print Server (external)

ZebraNet PrintServer II (internal and external)

BAR-ONE® 6.04 software

RS-422/485 serial port adapter

European and Asian font sets

Quicker first label out and shorter print times make the Z Series printers up to **five times faster** than before when processing most variable-information labels.

### MAXIMUM PRINT AREA

(STANDARD MEMORY, CONTINUOUS MEDIA)

#### Z4Mplus

Width: 4.09"/104 mm  
 Length with 203 dpi: 165"/4,202 mm

Length with 300 dpi: 73"/1,869 mm

#### Z6Mplus

Width: 6.6"/168 mm  
 Length with 203 dpi: 116"/2,946 mm

Length with 300 dpi: 49"/1,254 mm

### PHYSICAL CHARACTERISTICS

#### Z4Mplus

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

#### Z6Mplus

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

### MEDIA SPECIFICATIONS

#### Z4Mplus

Label and liner width:  
 Min: 1"/25.4 mm—  
 Max (Tear/Cutter): 4.5"/114 mm  
 Max (Peel/Rewind): 4.25"/108 mm  
 Ribbon width:  
 2"/51 mm—  
 4.33"/110 mm

#### Z6Mplus

Label and liner width:  
 Min: 2"/51 mm—  
 Max (Tear/Cutter): 7"/178 mm  
 Max (Peel/Rewind): 6.75"/171 mm  
 Ribbon width:  
 2"/51 mm—  
 6.85"/174 mm

### RESOLUTION

203 dpi/8 dots per mm; 300 dpi/12 dots per mm

### MAXIMUM PRINT SPEED

203 dpi/10 ips; 300 dpi/6 ips

### MEMORY

Standard: 4 MB Flash, 8 MB DRAM

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

\*Specifications subject to change without notice.

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