



## Zebra® Z Series®

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 per second, these Zebra printers output labels quickly and efficiently, maximizing productivity. The Z4Mplus and Z6Mplus die-cast metal construction provides rugged reliability for the tough environments and demanding applications of manufacturing plants and distribution centers.

### The Price-Performance Leaders

Z Series printers stand up to the competition, in terms of both performance and price. Rely on these top performers with industry-leading throughput to get the job done with cost-effective efficiency. The Z Series offers many standard features per dollar, including centralized printer management and complete multi-language support. And with a multitude of options, including ZebraNet® Print Server, XML-enabled printing, and a selection of Flash memory options, the Z4Mplus and Z6Mplus printers are unbeatable for most on-demand thermal printing applications.

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

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



**Z4Mplus****Z6Mplus**

## Specifications at a Glance\*

### RIBBON CHARACTERISTICS

**Outside diameter**  
3.2" (81.3 mm)

**Standard length**  
984' (300 m) or 1476' (450 m)

**Ratio**  
3:1 media roll to ribbon.  
Ribbon must be at least as wide as media

**Width**  
2.00" (51 mm) to 4.33" (110 mm)

**Ribbon setup**  
Ribbon wound ink-side out

**Core I.D.**  
1.0" (25.4 mm)

### OPERATING CHARACTERISTICS

**Environmental**

Operating temperature:  
32° F/0° C to 104° F/40° C (Direct Thermal)  
40° F/5° C to 104° F/40° C (Thermal Transfer)

Storage temperature: -40° F to 140° F (-40° C to 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

**Agency Approvals**  
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)

### PHYSICAL CHARACTERISTICS

Width: 10.93" (278 mm)  
Height: 13.32" (338 mm)  
Depth: 18.69" (475 mm)  
Weight: 32.4 lbs (15 kg)  
Shipping weight: 49 lbs (22 kg)

### RELATED PRODUCTS

**Options and Accessories**  
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

RS-422/485 serial port adapter

### ZEBRALINK™ SOLUTIONS

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

**Networking**  
ZebraNet Wireless PrintServer option (internal)  
ZebraNet 10/100 PrintServer options  
ZebraNet PrintServer II options

**Firmware**  
ZPL II®—Universal language for Zebra printers.  
Simplifies label formatting and enables format compatibility with other Zebra printers.  
XML-enabled Printing—Direct-connect integration for barcode label printing that eliminates license fees and printer server hardware, and lowers customization and programming costs.  
APL™—Zebra's Alternative Programming Language allows integration of Z4Mplus and Z6Mplus printers into mixed printer environments without format re-programming.  
Web View—Enables you to connect and control your bar code printers via the 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.

### COMMUNICATION AND INTERFACE CAPABILITIES

RS-232C serial port  
High-speed, IEEE1284, bi-directional parallel interface

### BAR CODE SYMBOLOGIES

**Linear**  
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 PDF 417, TLC 39, RSS, Aztec

### FONTS AND GRAPHICS

7 bitmapped, 1 smooth scalable  
Native open type font support  
Global Printing—Unicode™ compliant for fast multi-language, on demand thermal printing right out of the box.  
Supports user-defined fonts and graphics—including custom logos  
ZPL II drawing commands—for boxes and lines



Delivering quick first label out, shorter print times, and application flexibility, Z Series printers are unbeatable for enhancing productivity and the bottom line.

### STANDARD FEATURES

Print methods: Thermal transfer or direct thermal  
Construction: Die-cast aluminum base, frame and printhead mechanism  
Metal media cover with large clear window  
Multi-level Element Energy Equalizer™ (E<sup>3</sup>) for superior print quality  
Auto-calibration  
Real-time clock  
Auto-ranging (110 V–220 V) power supply  
Color-coded operator cues  
Back-lit LCD control panel

### PRINTER SPECIFICATIONS

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

**Memory**  
Standard: 4 MB Flash, 8 MB DRAM  
Optional: Factory Installed 64 MB (61 MB user available) Flash Memory

**Print Width**  
Z4Mplus: 4.09"/104mm  
Z6Mplus: 6.6"/168 mm

**Print Length**  
Z4Mplus: with 203 dpi: 157"/3,988 mm  
Z6Mplus: with 203 dpi: 102"/2,591 mm

**Print Speed**  
203 dpi/10 ips; 300 dpi/6 ips

**Media Sensors**  
Fixed transmissive sensor  
Adjustable reflective sensor

### MEDIA CHARACTERISTICS

**Maximum label and liner length**  
Maximum non-continuous: 39" (991 mm)

**Maximum label and liner width**  
4.50" (114 mm)—Z4Mplus  
7.0" (178 mm)—Z6Mplus

**Maximum roll diameter**  
8.0" (203 mm)

**Core diameter**  
3" (76 mm)

**Media thickness**  
0.0023" (0.058 mm) to 0.010" (.025 mm)

**Media types**  
Continuous, die-cut, tags, black-mark  
For optimum print quality and performance, use Genuine Zebra Supplies.

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