



## 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 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
- 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

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.

### 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

### MEDIA CHARACTERISTICS

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

**Maximum label and liner width**  
4.50" (114 mm)

**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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GSA#: GS-35F-0268N  
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#13391 Rev. 11 (5/06) 5M