



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™ (E³) 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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