



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
- Shipping/Receiving
- Hospitality/Transportation ticketing



Z4Mplus**Z6Mplus**

Specifications at a Glance*

STANDARD FEATURES

Print methods: Thermal transfer or direct thermal
 Construction: Die-cast aluminum base, frame and printhead mechanism
 Zebra Printer Management
 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

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.

PROGRAMMING LANGUAGES

Zebra Printer Management
 ZebraLink™
 ZebraNet™ Utilities
 ZebraNet Bridge

Programming Language

ZPL II®—Universal language for Zebra printers.
 Simplifies label formatting and enables format compatibility with other Zebra printers.
 ZBI™—Controls and interprets text and data from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.
 APL™—In many cases, Zebra's Alternate Programming Language allows integration of Z4Mplus and Z6Mplus printers into mixed printer environments without format re-programming.

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
 Contains UFST® from Agfa Monotype Corp.

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
 APL (203 dpi printers only)
 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	Z6Mplus
Width: 4.09"/104 mm	Width: 6.6"/168 mm
Length with 203 dpi: 165"/4,202 mm	Length with 203 dpi: 116"/2,946 mm
Length with 300 dpi: 73"/1,869 mm	Length with 300 dpi: 49"/1,254 mm

PHYSICAL CHARACTERISTICS

Z4Mplus	Z6Mplus
Width: 10.93"/278 mm	Width: 13.43"/341 mm
Depth: 18.69"/475 mm	Depth: 18.69"/475 mm
Height: 13.32"/338 mm	Height: 13.32"/338 mm
Weight: 32.4 lbs/15 kg	Weight: 34.7 lbs/16 kg

MEDIA SPECIFICATIONS

Z4Mplus	Z6Mplus
Label and liner width:	Label and liner width:
Min: 1"/25.4 mm–	Min: 2"/51 mm–
Max (Tear/Cutter): 4.5"/114 mm	Max (Tear/Cutter): 7"/178 mm
Max (Peel/Rewind): 4.25"/108 mm	Max (Peel/Rewind): 6.75"/171 mm
Ribbon width: 2"/51 mm–	Ribbon width: 2"/51 mm–
4.33"/110 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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