



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*

Media types

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

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

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Adjustable transmissive sensor
RS-422/485 serial port adapter

ZEBRALINK™ SOLUTIONS

Software

ZebraDesigner™ Pro
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.
Global Printing - Unicode™ compliant for fast
multi-language, on-demand thermal printing right
out of the box.
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 (CG Triumvirate™
Bold Condensed)
International character sets supporting the
following code pages: IBM® Code Page 850
International character set
Contains UFST® from Monotype Imaging, Inc.
Supports user-defined fonts and graphics—
including custom logos
ZPL II drawing commands—including 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

1" (25.4 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)

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