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

Zebra

Z4Mplus   Z6Mplus

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™ (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
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.

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 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, CCCC, 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®—Univeral language for Zebra printers. Simplifes 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

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