



Xi™ Series

High Performance Bar Code Printers

Higher Levels of Labeling

The newest family of five, *XIIIPlus™* printers are superior performing *Xi*s! There's a labeling solution to fulfill any need—from 600 dpi resolution for small label printing to an 8.5-inch print width for wide labels and forms. Exciting, new features include a 32-bit processor; increased memory for label formats, graphics, fonts and ZBI™ programs; and an early warning notification for printhead maintenance support. *XIIIPlus* printers also offer more connectivity choices than their competitors, including ZebraLink™, ZebraNet® Wireless Card Socket, and USB 2.0, serial, and parallel ports. iSeries (AS/400) network users may select from a wide range of twinax/coax and IPDS connectivity options. Add up all the bells and whistles, and it's easy to see why *XIIIPlus* printers take high performance to an all-new level!

Everything you count on with Zebra's *Xi* series printers, plus more!

Zebra's *Xi* series is known for its high performance, mission-critical ruggedness. These hardworking printers are the ones to call on—24/7—in heavy-duty, industrial operations.

XIIIPlus printers from Zebra offer revolutionary features including:

- New 32-bit processor for faster throughput and processing
- Increased 16 MB SDRAM memory (over 12 MB user available) for printing longer label formats
- CompactFlash (up to 1 GB memory) for added label format/font storage
- 4 MB non-volatile Flash memory (2 MB user available)
- Early service warning for printhead maintenance and ribbon/media changes
- 300 distinct darkness settings—great for printing on synthetics



Connect with it. Count on it.™

Xi™ Series



Meet The *XIIIPlus*™ Family!

XIIIPlus printers offer superior connectivity solutions including:

- ▶ ZebraNet® Wireless Card Socket, which eliminates the costs of recabling when a printer is moved or reconfigured.
- ▶ ZebraLink™, a revolutionary real-time connectivity and control solution for Zebra printers, which includes:



1. Alert (with ZebraNet PrintServer II)—enables a Zebra printer to send unsolicited status messages via e-mail-enabled devices (e.g. pagers, cell phones, PCs and PDAs).
2. WebView (with ZebraNet PrintServer II)—enables the remote monitoring and configuration of Zebra printers using Web-based network tools.
3. ZBI™ (Zebra BASIC Interpreter)—programming language that works with ZPL II® to control and interpret incoming text and data.

ZebraLink gives you the freedom to create stand-alone applications using an *XIIIPlus* and peripheral devices without needing a PC host. ZBI can then transmit data captured by these devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.



Test drive an *XIIIPlus* with ZebraLink today at www.zebra.com/livelink!



90*XIIIPlus*™

The 90*XIIIPlus* printer is ideal for applications that require small, high-resolution bar code labels, such as tracking printed circuit boards and small parts, and identifying small products. The printer's standard 300 dpi printhead ensures text, graphics and bar codes always print clearly—essential when label space is limited.

MAXIMUM PRINT AREA

Width: 3.4"/86 mm

Length (with standard memory):
39"/991 mm

RESOLUTION

300 dpi/12 dots per mm

MAXIMUM PRINT SPEED

8"/203 mm per second

PHYSICAL CHARACTERISTICS

Width: 9.15"/232.4 mm

Depth: 19.5"/495 mm

Height: 15.5"/393.7 mm

Weight: 50 lbs./22.7 kg

MEDIA SPECIFICATIONS

Label and liner width: .79"/20 mm to
3.54"/90 mm

Ribbon width: .79"/20 mm to
3.4"/87 mm



96*XIIIPlus*™

With a print resolution of 600 dpi, the 96*XIIIPlus* is unmatched at printing precise bar codes, text, and graphics information in limited label space. This printer is ideal for applications that require extremely high resolution—labeling electronic components, telecommunication assemblies, computer peripherals, small pharmaceutical packaging, diagnostic research samples, and more.

MAXIMUM PRINT AREA

Width: 3.2"/81 mm

Length (with standard memory):
20"/508 mm

RESOLUTION

600 dpi/23.5 dots per mm

MAXIMUM PRINT SPEED

4"/102 mm per second

PHYSICAL CHARACTERISTICS

Width: 9.15"/232.4 mm

Depth: 19.5"/495 mm

Height: 15.5"/393.7 mm

Weight: 50 lbs./22.7 kg

MEDIA SPECIFICATIONS

Label and liner width: .79"/20 mm to
3.54"/90 mm

Ribbon width: .79"/20 mm to
3.4"/87 mm

Xi™ Series



140XiIIIPlus™

The 140XiIIIPlus gets the job done fast, printing at up to 12 inches per second. With such powerful performance and steel construction, it is the ideal choice for high-volume, mission-critical applications with 24-hour duty cycles. The 140XiIIIPlus is also well suited for applications in which labels are required quickly, either on demand or in batches.

MAXIMUM PRINT AREA

Width: 5.04"/128 mm
Length (with standard memory): 39"/991 mm

RESOLUTION

203 dpi/8 dots per mm

MAXIMUM PRINT SPEED

12"/305 mm per second

PHYSICAL CHARACTERISTICS

Width: 11.15"/283.2 mm
Depth: 19.5"/495 mm
Height: 15.5"/393.7 mm
Weight: 55 lbs./25 kg

MEDIA SPECIFICATIONS

Label and liner width: 1.57"/40 mm to 5.51"/140 mm
Ribbon width: 1.57"/40 mm to 5.1"/130 mm

170XiIIIPlus™

The industrial-strength 170XiIIIPlus has a 12-gauge steel frame, 300 dpi print resolution, and the ability to print labels up to 6.6 inches wide at eight inches per second. Tough compliance labeling applications are no match for the 170XiIIIPlus, since it can easily print large numbers of AIAG, ODETTE, UCC/EAN-128 and other compliance labels on demand or in batches.

MAXIMUM PRINT AREA

Width: 6.6"/168 mm
Length (with standard memory): 39"/991 mm

RESOLUTION

300 dpi/12 dots per mm

MAXIMUM PRINT SPEED

8"/203 mm per second

PHYSICAL CHARACTERISTICS

Width: 13.15"/334.4 mm
Depth: 19.5"/495 mm
Height: 15.5"/393.7 mm
Weight: 67 lbs./30.5 kg

MEDIA SPECIFICATIONS

Label and liner width: 2"/51 mm to 7.1"/180 mm
Ribbon width: 2"/51 mm to 6.7"/170 mm

220XiIIIPlus™

The 220XiIIIPlus quickly prints labels up to 8.5 inches wide at 10 inches per second. It is ideal for wide label applications such as printing chemical drum labels, primary metal standard labels, automotive industry labels, banner-sized labels and pallet and container shipping labels.

MAXIMUM PRINT AREA

Width: 8.5"/216 mm
Length (with standard memory): 39"/991 mm

RESOLUTION

203 dpi/8 dots per mm

MAXIMUM PRINT SPEED

10"/254 mm per second

PHYSICAL CHARACTERISTICS

Width: 15.65"/397.5 mm
Depth: 19.5"/495 mm
Height: 15.5"/393.7 mm
Weight: 72 lbs./32.7 kg

MEDIA SPECIFICATIONS

Label and liner width: 4.25"/108 mm to 8.8"/224 mm
Ribbon width: 4.25"/108 mm to 8.6"/220 mm

For More Information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site www.zebra.com.



Left

Standard media door with clear panel

Right

Optional bi-fold media door with clear panel



Specifications at a Glance*

STANDARD FEATURES

Print methods: Thermal transfer or direct thermal
Construction: 12-gauge steel frame
ZebraLink™ connectivity
New processor for increased throughput and processing speeds
16 MB SDRAM; 4 MB non-volatile Flash memory
Advanced counters
Early warning system—indicates when to service printhead or change ribbons/media
300 unique darkness settings for print quality
USB 2.0 port for faster connectivity and throughput (plug and play)
Serial and parallel ports
Multilingual backlit LCD control panel
PCMCIA socket
CompactFlash Socket
Transmissive and reflective media sensors
Multi-level Element Energy Equalizer (E3™) for superior print quality

Zebra Programming Languages

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.

OPERATING CHARACTERISTICS

Environment

Operating Temp. (tt): 41 F/5 C to 104 F/40 C
Operating Temp. (dt): 32 F/0 C to 104 F/40 C
Storage/Transport Environ.: -40 F/-40 C to 140 F/60 C
Operating Humidity: 20–85% non-condensing
Storage Humidity: 5–85% non-condensing

Electrical

Universal power supply with power-factor correction 90–264 VAC; 48–62 Hz

Communication Interface Capabilities

USB 2.0 port (480 M bits/second)
RS-232C/422/485 multi-drop
Hi-speed, bi-directional, IEEE 1284 parallel interface
ZebraNet® PrintServer II (optional)
ZebraNet Wireless Card Socket (optional)

Agency Approvals

Bi-National UL 60950 Third Edition/CSA CAN/CSA-C22.2 No. 60950-00 Third Edition; IEC 950/EN60950: 1992 w/amendments 1 through 4 (CB Scheme); EN55022: 1998 Class B; EN55024: 1998; EN61000-3-2, 3 w/amendment A12; Canadian ICES-003, Class B, FCC Class B; Argentina 92/98 Phase 3; Australia AS/NZS 3548; R.O.C. CNS 13438

MEDIA CHARACTERISTICS

Labels

Max. Roll Size: 8" /203 mm O.D. on a 3" /76 mm I.D. core
Thickness (label & liner): .003" / .076 mm to .012" / .305 mm
Media Types: Continuous, die-cut or black mark
For optimum print quality and printer performance, use Genuine Zebra Supplies.

Ribbons

Ribbon is recommended to be at least as wide as media.
Max. Roll Size: 3.2" /81.3 mm O.D. on a 1" /25.4 mm I.D. core
Standard Lengths: 1,476' /450 m or 984' /300 m; provides 3:1 & 2:1 media roll to ribbon ratios
Ribbon Setup: Ribbon wound ink side out

FONTS/GRAPHICS/SYMBOLOLOGIES

Fonts and Character Sets

Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
Sets: IBM® Code Page 850 International character set

Graphic Features

Supports user-defined fonts and graphics—including custom logos

Bar Code Symbolologies

Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, Postnet, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code
2-Dimensional: Codablock, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39, RSS Code

OPTIONS AND ACCESSORIES

ZebraNet PrintServer II
ZebraNet Wireless Card Socket
Rewind
Cutter (now available on all *XIIIPlus* printers)
Bi-fold media door with clear panel
Label peel
Media supply spindle for 40 mm cores (not available on 220*XIIIPlus*)
Scalable and international fonts
PC cards
Applicator interface
IBM twinax interface
IBM coax interface
BAR-ONE® software

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.



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