



# *Xi Series*<sup>™</sup>

High Performance Bar Code Printers

**Be informed  
instantly of your  
printer's status and  
respond quickly—  
from any location!**

Meet the printers that talk back! The five *XIII*<sup>™</sup> printers that make up Zebra's *Xi Series* are the world's first family of printers to combine active alert messaging for status notification with Web-enabled monitoring and configuring capabilities. You can be informed instantly of your printer's status and respond quickly—no matter where you are in the world.

**Connect With It**

Zebra® *XIII* printers' plug-and-print tools mean they can be connected easily to your corporate wired or wireless network. Add in Zebra's legendary rugged reliability, and you've got hard-working printers that are very easy to connect with—even if they do talk back!



Connect with it. Count on it.™



# Xi Series



## Meet The XiIII™ Family

**XiIII printers from Zebra's Xi Series offer revolutionary features including:**

- **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 email-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 XiIII and peripheral devices without needing a PC host. Internet-aware, ZBI can then transmit data captured by these devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

- **Flash firmware**
- **4MB DRAM memory (over 3MB user available)**
- **1.5MB non-volatile Flash memory**



Test drive an XiIII with ZebraLink at [www.zebra.com/livelink](http://www.zebra.com/livelink) today!

## 90XiIII

The 90XiIII 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 300dpi printhead ensures text, graphics and bar codes always print clearly—essential when label space is limited.

### Maximum Print Area

Width: 3.4"/86mm

Length:

39"/991mm (with standard memory)

### Resolution

300dpi/12 dots per mm

### Maximum Print Speed

8"/203mm per second

### Physical Characteristics

Width: 9.15"/232.4mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 50lbs./22.7kg

### Media Specifications

Label and liner width:

.79"/20mm to 3.54"/90mm

Ribbon width:

.79"/20mm to 3.4"/87mm

## 96XiIII

The industry's first 600dpi printer—the 96XiIII—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"/81mm

Length:

20"/508mm (with standard memory)

### Resolution

600dpi/23.5 dots per mm

### Maximum Print Speed

4"/102mm per second

### Physical Characteristics

Width: 9.15"/232.4mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 50lbs./22.7kg

### Media Specifications

Label and liner width:

.79"/20mm to 3.54"/90mm

Ribbon width:

.79"/20mm to 3.4"/87mm



## 140XiIII

The 140XiIII is the fastest printer in Zebra's Xi Series, printing at up to 12 inches per second (ips). With such powerful performance and steel construction, it is the ideal choice for high-volume, mission-critical applications with 24-hour duty cycles. The 140XiIII is also well-suited for applications in which labels are required quickly, either on demand or in batches.

### Maximum Print Area

Width: 5.04"/128mm

Length:

39"/991mm (with standard memory)

### Resolution

203dpi/8 dots per mm

### Maximum Print Speed

12"/305mm per second

### Physical Characteristics

Width: 11.15"/283.2mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 55lbs./25kg

### Media Specifications

Label and liner width:

1.57"/40mm to 5.51"/140mm

Ribbon width:

1.57"/40mm to 5.1"/130mm



## 170XiIII

The industrial-strength 170XiIII has a 12-gauge steel frame, 300dpi print resolution and the ability to print labels up to 6.6 inches wide at eight ips. Tough compliance labeling applications are no match for the 170XiIII, 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"/168mm

Length:

39"/991mm (with standard memory)

### Resolution

300dpi/12 dots per mm

### Maximum Print Speed

8"/203mm per second

### Physical Characteristics

Width: 13.15"/334.4mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 67lbs./30.5kg

### Media Specifications

Label and liner width:

2"/51mm to 7.1"/180mm

Ribbon width:

2"/51mm to 6.7"/170mm



## 220XiIII

The 220XiIII quickly prints labels up to 8.5 inches wide at 10 ips. 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"/216mm

Length:

39"/991mm (with standard memory)

### Resolution

203dpi/8 dots per mm

### Maximum Print Speed

10"/254mm per second

### Physical Characteristics

Width: 15.65"/397.5mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 72lbs./32.7kg

### Media Specifications

Label and liner width:

4.25"/108mm to 8.8"/224mm

Ribbon width:

4.25"/108mm to 8.6"/220mm

During a rainstorm at a manufacturing facility, a collapsed roof dumped 576,000 lbs. of water on a Zebra Xi Series printer. Bruised, but not beaten, the cleaned printer kept on spewing out labels right where it had left off.

*Frontline Solutions  
December 2000  
Zebra reprint #11973L*

## Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame
- ZebraLink
- Multilingual backlit LCD display
- PCMCIA socket
- 32-bit RISC and CISC processors
- Transmissive and reflective media sensors
- Multi-level Element Energy Equalizer (E<sup>2</sup>) for superior print quality

## 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

## Media Characteristics

### Labels

- Max. Roll Size
- 8"/203mm O.D. on a 3"/76mm I.D. core

### Thickness (label & liner)

- .003"/.076mm to .012"/.305mm

### Media Types

- Continuous, die-cut or black mark

For optimum print quality and printer performance, use Genuine Zebra Supplies.

## Fonts/Graphics/Symbologies

### 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

## Options and Accessories

- ZebraNet PrintServer II
- Rewind
- Bi-fold media door with clear panel
- 8MB DRAM expansion (for a total 11.5MB user available)
- Advanced media/label counter
- Real time clock with applicator interface
- Label peel
- Cutter (not available on 96XIII)
- Scalable and international fonts

## 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.

## Communication Interface Capabilities

- RS-232C/422/485 multi-drop
- Hi-speed, bi-directional, IEEE 1284 parallel interface
- Optional ZebraNet PrintServer II Ethernet Connection

## 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

## Ribbons

Ribbon is recommended to be at least as wide as media.

### Max. Roll Size

- 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core

### Standard Lengths

- 1,476'/450m or 984'/300m; provides 3:1 & 2:1 media roll to ribbon ratios

### Ribbon Set-up

- Ribbon wound ink side out

## Bar Code Symbologies

- 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

- 8MB PC card
- Applicator interface
- IBM Twinax interface
- IBM Coax interface
- BAR-ONE® software
- Media supply spindle for 40mm cores (not available on 220XIII)
- ZebraNet Wireless Card Socket (contact Zebra for availability)

Left

Standard media door with clear panel

Right

Optional bi-fold media door with clear panel



\*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.

## 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](http://www.zebra.com)



## Zebra Bar Code Products

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### Other Locations

*United States:* California, Florida, Rhode Island, Wisconsin

*Europe:* France, Germany, Italy, United Kingdom

*Asia-Pacific:* Australia, China, Japan, Singapore, South Korea



FM-32328

An ISO 9001 registered company



The 96XIII 600dpi printer  
abcdelghijklmnopqrstuvwxyz

Rev A  
96XIII  
600dpi

Print high-resolution text and bar code in limited space using the 600dpi 96XIII printer.

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XIII L

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