

Specifications at a Glance*

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

Zebra Programming Languages

- ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables 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

Communication Interface Capabilities

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

Electrical

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

Agency Approvals

- UL 1950; CISPR 22 (Class B); IEC 950; EN55024; CSA 950; Canadian Doc. (Class A); FCC (Class A); CE compliance

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

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

Media Types

- Continuous, die-cut or black mark

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

Ribbon Set-up

- Ribbon wound ink side out

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

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
- 2-Dimensional: Codablock, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF

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
- Advanced media/label counter
- Real time clock with applicator interface
- Label peel
- Cutter (not available on 96XIII)
- Scalable and international fonts

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

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XIII L
#11211L, Rev.2 (2/01) 20M

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



Zebra Bar Code Products

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Asia: Hong Kong, Japan, Seoul, Singapore



BSI-32328
An ISO 9001 registered company

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



Connect with it. Count on it.™

Xi Series™

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™ printers that make up Zebra's Xi Series—are the world's first family of printers to combine active alert messaging 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!



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 status messages via the Internet.
 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 replace other bar code printers with the superior performance and reliability of Zebra printers, without costly reprogramming of your host system. Or, create a stand-alone application using an XiIII printer and peripheral devices without needing a PC. 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**
- **1.5MB non-volatile Flash memory**



(All XiIII printers have ZebraLink.
Only new orders will feature this logo.)

90 XiIII

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

96 XiIII

The industry's first 600dpi printer—the 96XiIII—is unmatched for printing large amounts of bar code, 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

140 XiIII

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

170 XiIII

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

220 XiIII

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
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