



# Zebra® Xi™ Series

High-Performance Bar Code Printers

## Higher Levels of Labeling

Providing superior performance, longevity, and solid value, the Xi series offers rugged durability, dependability, and unparalleled reliability in high-volume, mission-critical and specialty labeling solutions. Insuring investment protection are more standard features and total options than competitive printers: 203-, 300-, and 600-dpi resolution for paper, synthetic, and specialty stocks; 4-, 5.5-, 6-, and 8-inch print widths; super-quick processors for fast throughput and processing; and plenty of memory for more label formats, graphics, fonts, and data. XiIIIPlus™ printers also offer more connectivity and control options with XML-enabled printing and advanced management capabilities for real-time monitoring of Zebra printers and ZebraNet® wireless and wired print servers. It's easy to see why XiIIIPlus 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 proven performance. With more standard features and more resolution and connectivity options, plus industry-leading Zebra service and support, it would be hard to find a bar code labeling need that the XiIIIPlus printers couldn't meet or exceed.

*XiIIIPlus* printers from Zebra offer revolutionary features including:

- 32 bit 133 MHz RISC processor for faster throughput and processing
- Increased 16 MB SDRAM memory for printing longer label formats
- CompactFlash® (up to 256 MB memory) for added label format/font storage
- 4 MB non-volatile Flash memory
- Early service warning for printhead maintenance and ribbon/media changes
- 300 distinct darkness settings— for fine-tuning print quality



# Xi Series

## ZebraLink™ Solutions

### Software

*ZebraDesigner™ Pro*—An intuitive, easy-to-use software program that makes creating complex label designs and label format changes simple.

*ZebraDesigner*—Offers basic design features focused on delivering an easy-to-use label design application.

*ZebraNet™ Bridge Enterprise*—Centrally manage Zebra printers from a single PC screen anywhere on your global network.

*ZebraNet Utilities v 7.0*—Provides enhanced printing, conversion, and administration capabilities; message management; and more.

*Zebra Universal Driver*—The most powerful driver available from Zebra.

### Networking

*ZebraNet® Wireless Print Server*—Delivers wireless security and new wireless capabilities.

*ZebraNet 10/100 Print Server*—Available in an internal or external version that provides a complete wired solution for 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks.

### 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 out of the box.

*APL™*—Allows integration of the Xi Series printers into mixed printer environments without format re-programming (available in 203 dpi printers only).

*XML-enabled printing*—Direct-connect integration for bar code label printing that eliminates license fees and printer server hardware, and lowers customization and programming costs.

*Web View*—Connect and control your bar code printer's Web interface using a common Web browser.

*Alert*—Printers equipped with ZebraNet print servers will notify you via any e-mail enabled, wired, or wireless device to minimize downtime.



## 110XiIIIPlus™—203/300 dpi

The 110XiIIIPlus, with 203- or 300-dpi printhead, offers flexibility and affordability. Starting at just \$2,995 (U.S. list), the variable-width 110XiIIIPlus prints up to 4 inches wide, making it ideal for shipping, warehousing, and manufacturing. For crisp, high-quality printing on small product labels, order the 110XiIIIPlus with 300-dpi printhead.

### MAXIMUM PRINT AREA

Width: 4.09"/104 mm

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

### RESOLUTION

203 dpi/8 dots per mm;

300 dpi/12 dots per mm

### MAXIMUM PRINT SPEED

203 dpi: 10"/254 mm per second;

300 dpi: 8"/203 mm per second

### PHYSICAL CHARACTERISTICS

Width: 10.37"/263.5 mm

Depth: 19.5"/495.3 mm

Height: 15.5"/393.7 mm

Weight: 50 lbs./22.7 kg

### MEDIA SPECIFICATIONS

Label and liner width: .79"/20 mm to  
4.5"/114 mm

Ribbon width: .79"/20 mm to  
4.33"/110 mm

In North America, the 110XiIIIPlus has an RFID Ready option that allows you to upgrade to RFID technology in the future.

## 110XiIIIPlus—600 dpi

The affordable 110XiIIIPlus with 600-dpi printhead is unmatched at printing precise bar codes, text, and graphics in limited label space. An outstanding value, this printer is ideal when you require extremely high resolution and density—for specialty labeling, such as electronic components, telecommunication assemblies, medical devices, pharmaceutical vials, and more.

### MAXIMUM PRINT AREA

Width: 3.2"/81 mm

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

### RESOLUTION

23.5 dots per mm

### MAXIMUM PRINT SPEED

4"/102 mm per second

### PHYSICAL CHARACTERISTICS

Width: 10.37"/263.5 mm

Depth: 19.5"/495.3 mm

Height: 15.5"/393.7 mm

Weight: 50 lbs./22.7 kg

### MEDIA SPECIFICATIONS

Label and liner width: .79"/20 mm to  
4.5"/114 mm

Ribbon width: .79"/20 mm to  
4.33"/110 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™ 203/300 dpi

The industrial-strength 170XiIIIPlus with 203- and 300-dpi print resolution has the ability to print labels up to 6.6 inches wide at 12 inches per second, promoting greater productivity with fewer roll changes. The 170XiIIIPlus, can easily print large numbers of tough, information-rich 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

203 dpi/8 dots per mm  
300 dpi/12 dots per mm

#### MAXIMUM PRINT SPEED

203 dpi: 12"/305 mm per second  
300 dpi: 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

In North America, the 170XiIIIPlus has an RFID Ready option that allows you to upgrade to RFID technology in the future.

### 220XiIIIPlus™ 203/300 dpi

The flexible, wide-web 220XiIIIPlus with 203- or 300-dpi can quickly print labels up to 8.5 inches wide at 10 inches per second or perform detailed, high-density printing of graphics or small fonts for labels, invoices, and other large documents. Ideal printing applications include 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  
300 dpi/12 dots per mm

#### MAXIMUM PRINT SPEED

203 dpi: 10"/254 mm per second  
300 dpi: 6"/152 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](http://www.zebra.com).

# Xi Series



## Specifications at a Glance\*

### STANDARD FEATURES

Print methods: Thermal transfer or direct thermal  
Construction: 12-gauge steel frame  
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  
Unicode™ Compliant

### 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

#### 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; BSMI; CCC

### 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 fan fold, 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

### ZEBRALINK SOLUTIONS

#### Software

ZebraDesigner Pro  
ZebraDesigner for XML  
ZebraDesigner  
ZebraNet Bridge Enterprise  
ZebraNet Utilities v 7.0

#### Networking

ZebraNet Wireless Print Server  
ZebraNet 10/100 Print Server  
ZebraNet PrintServer II  
IBM® twinax/coax interface

#### Firmware

ZPL II®  
Global Printing  
APL  
XML-enabled  
Web View  
Alert

### FONTS/GRAPHICS/SYMBOLOLOGIES

#### Fonts and Character Sets

Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)  
Contains UFST® from Agfa Monotype Corporation  
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 digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar, Planet Code  
2-Dimensional: Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, TLC 39, RSS, Aztec

### OPTIONS AND ACCESSORIES

Rewind  
Cutter (now available on all XiIIIPlus printers)  
Bi-fold media door with clear panel  
Label peel  
Media supply spindle for 40 mm cores (not available on 220XiIIIPlus)  
Scalable and international fonts  
PC cards  
CompactFlash (CF) card  
Applicator interface  
64 MB On-Board Linear Flash Memory

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