



# *Xi*<sup>TM</sup> Series

High-performance Bar Code Printing

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

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

With extensive standard features, and more resolution and connectivity options, it would be hard to find a bar-code-labelling need that the *XIII Plus*<sup>TM</sup> printers couldn't meet or exceed.

## Easy integration and printer management

ZebraLink<sup>TM</sup> Solutions provide a range of tools and options to ease integration of Zebra printers into any system and to simplify ongoing management of printer populations.



Reliability on demand<sup>TM</sup>



# *Xi* Series



## 110XiIIIPlus™ – 203/300dpi

## 110XiIIIPlus – 600dpi

### Meet the *XiIIIPlus*™ family!

#### *XiIIIPlus* printers offer superior ZebraLink Solutions including:

##### Software

- ZebraDesigner™ Pro – An intuitive, easy-to-use software program that makes creating complex label designs and that makes changing label format 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

- APL™ – In many cases, Zebra's Alternate Programming Language allows integration of the *Xi* series printers into mixed printer environments without format re-programming (available in 203dpi printers only)
- ZPL II® – Universal language for Zebra printers
- Simplifies label formatting and enables format compatibility with other Zebra printers
- XML-enabled printing – Direct-connect integration for bar code label printing that eliminates licence fees and printer server hardware, and lowers customisation and programming costs
- Web View – Enables you to 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 minimise downtime

The 110XiIIIPlus, with 203- or 300-dpi printhead, replaces Zebra's 300-dpi 90XiIIIPlus™ printer – and surpasses it in flexibility and affordability. The variable-width 110XiIIIPlus prints up to four 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: 104mm (4.09")  
Length: 991mm (39")

##### Resolution

8 dots/mm (203dpi)  
12 dots/mm (300dpi)

##### Maximum Print Speed

203dpi: 254mm (10") per second  
300dpi: 203mm (8") per second

##### Physical Characteristics

Width: 263.5mm (10.37")  
Depth: 495.3mm (19.5")  
Height: 393.7mm (15.5")  
Weight: 22.7kg (50lb)

##### Media Specifications

Label and liner width:  
20mm (0.79") to 114mm (4.5")  
Ribbon width:  
20mm (0.79") to 110mm (4.33")

Like the 600-dpi 96XiIIIPlus™ printer that it replaces, the affordable 110XiIIIPlus with 600-dpi printhead is unmatched at printing precise bar codes, text and graphics in limited label space.

This printer is ideal when you require extremely high resolution and density – for labelling electronic components, telecommunication assemblies, medical devices, pharmaceutical phials, and more.

##### Maximum Print Area

Width: 81mm (3.2")  
Length: 991mm (39")

##### Resolution

23.5 dots/mm (600dpi)

##### Maximum Print Speed

102mm (4") per second

##### Physical Characteristics

Width: 263.5mm (10.37")  
Depth: 495.3mm (19.5")  
Height: 393.7mm (15.5")  
Weight: 22.7kg (50lb)

##### Media Specifications

Label and liner width:  
20mm (0.79") to 114mm (4.5")  
Ribbon width:  
20mm (0.79") to 110mm (4.33")



**140XiIIIPlus™**

The 140XiIIIPlus is one of the fastest printers in Zebra's Xi Series, printing at up to 305mm (12") 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: 128mm (5.04")  
Length: 991mm (39")

**Resolution**

8 dots/mm (203dpi)

**Maximum Print Speed**

305mm (12") per second

**Physical Characteristics**

Width: 283.2mm (11.15")  
Depth: 495mm (19.5")  
Height: 393.7mm (15.5")  
Weight: 25kg (55lb)

**Media Specifications**

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



**170XiIIIPlus™**

The 170XiIIIPlus is ideal for AIAG, ODETTE, UCC/EAN-128 and other compliance labels on demand or in batches. With 203 and 300dpi print resolution, it can print labels up to 168mm (6.6") wide at speeds of up to 305mm (12") per second. Like all XiIIIPlus printers, its rugged steel construction enables it to operate dependably in the harshest environments.

**Maximum Print Area**

Width: 168mm (6.6")  
Length: 991mm (39")

**Resolution**

8 dots/mm (203dpi)  
12 dots/mm (300dpi)

**Maximum Print Speed**

203dpi 305mm (12") per second  
300dpi 203mm (8") per second

**Physical Characteristics**

Width: 334.4mm (13.15")  
Depth: 495mm (19.5")  
Height: 393.7mm (15.5")  
Weight: 30.5kg (67lb)

**Media Specifications**

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



**220XiIIIPlus™**

The 220XiIIIPlus quickly prints labels up to 216mm (8.5") wide at 254mm (10") 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. Choose the 300dpi version where high-density graphics or small fonts are required.

**Maximum Print Area**

Width: 216mm (8.5")  
Length: 991mm (39")

**Resolution**

8 dots/mm (203dpi)  
12 dots/mm (300dpi)

**Maximum Print Speed**

203dpi 254mm (10") per second  
300dpi 152mm (6") per second

**Physical Characteristics**

Width: 397.5mm (15.65")  
Depth: 495mm (19.5")  
Height: 393.7mm (15.5")  
Weight: 32.7kg (72lb)

**Media Specifications**

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

## Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame
- ZebraLink
- USB 2.0 port for faster connectivity and throughput (plug and play)
- Serial and parallel ports
- Multilingual back-lit LCD display
- PCMCIA socket
- New 32-bit processor for increased throughput and processing speeds
- Transmissive and reflective media sensors
- Bi-fold media door with clear panel
- Advanced counters
- 16MB SDRAM; 4MB non-volatile flash memory
- Enhanced Alert notification – monitors printhead condition
- 300 discrete darkness settings for print quality
- Real-time clock
- Multi-level Element Energy Equalizer (E<sup>3</sup>) for superior print quality
- CompactFlash<sup>®</sup> socket
- ZPL II – Universal language for Zebra printers

## Operating Characteristics

### Environment

- Operating Temp. (TT) 5°C (41°F) to 40°C (104°F)
- Operating Temp. (DT) 0°C (32°F) to 40°C (104°F)
- Storage/Transport Environ. -40°C (40°F) to 60°C (140°F)
- Operating Humidity 20 to 85% non-condensing
- Storage Humidity 5 to 85% non-condensing

### Electrical

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

### 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

- 203mm (8") O.D. on a 76mm (3") I.D. core

#### Thickness (label & liner)

- 0.076mm (0.003") to 0.305mm (0.012")

#### Media Type

- Continuous fanfold, 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

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

#### Standard Lengths

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

#### 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) Contains UFST<sup>®</sup> from Agfa Monotype Corporation
- Pre-loaded Unicode™-compliant scalable fonts for EMEA character sets
- Sets: IBM<sup>®</sup> Code Page 850 International character set

### Graphic Features

- Supports user-defined fonts and graphics – including custom logos

### 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, RSS

## Options and Accessories

- Rewind
- Label peel
- Cutter
- Rigid media door with clear panel
- Media supply spindle for 76mm cores (standard on 110XIIIPlus-600dpi)
- Scalable and international fonts
- PC cards
- Media supply spindle for 40mm cores (not available on 220XIIIPlus)
- Applicator interface
- CompactFlash cards

### ZebraLink Solutions

#### Software

- ZebraDesigner Pro
- 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

- APL
- ZPL II (standard)
- XML-enabled
- Web View
- Alert

Left

Optional rigid media door with clear panel

Right

Standard bi-fold media door with clear panel



For further information on these products, please visit the Zebra Web site at: [www.zebra.com](http://www.zebra.com)



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