



Xi 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.

The latest *XIIIPLUS*™ printers offer even more performance with their new 32-bit processors, increased memory and early warning notification for printhead maintenance support.

More connectivity choices

With a wealth of connectivity choices, *XIIIPLUS* printers integrate easily into any system:

- ZebraLink™
- ZBI™ programming
- Wireless Ethernet
- USB 2.0
- Serial and parallel ports

iSeries (AS/400) network users can choose from a wide range of twinax/coax and IPDS connectivity options.



Reliability on demand™

Xi Series™



110XiIIIPLUS™ – 203/300dpi

110XiIIIPLUS – 600dpi

Meet The XiIIIPLUS™ Family

***XiIIIPLUS* printers offer advanced features including:**

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



1. Alert (with ZebraNet PrintServer II) – enables a 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 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.

- New 32-bit processor for faster throughput and processing speeds
- 16MB SDRAM memory
- 4MB non-volatile Flash memory
- Early service warning notification for printhead maintenance support
- 300 darkness settings for more control when printing on synthetics

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: 203dpi: 104mm (4.09")
300dpi: 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 phial, 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")



Test-drive an XiIIIPLUS with ZebraLink today at www.zebra.com/livelink



140XiIIIPLUS™

The 140XiIIIPLUS is the fastest printer 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 labelling applications. With 300dpi print resolution, labels up to 180mm (7.1") wide and speeds of 203mm (8") per second, it easily handles compliance labels on demand or in batches. 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

12 dots/mm (300dpi)

Maximum Print Speed

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 224mm (8.8") 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.

Maximum Print Area

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

Resolution

8 dots/mm (203dpi)

Maximum Print Speed

254mm (10") 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 (E³) for superior print quality
- CompactFlash™ Socket

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) 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
- Optional ZebraNet® PrintServer II Ethernet connection
- Optional ZebraNet Wireless Card Socket

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
- 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, 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)
- Sets: IBM® 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

- ZebraNet PrintServer II
- ZebraNet Wireless Card Socket
- Rewind
- Label peel
- Cutter (now available on all XiIIIPLUS™ printers)
- Rigid media door with clear panel
- Media supply spindle for 76mm cores (standard on 110XiIIIPLUS-600dpi)
- Scalable and international fonts
- PC cards
- IBM twinax interface
- IBM coax interface
- BAR-ONE® software
- Media supply spindle for 40mm cores (not available on 220XiIIIPLUS)
- Wireless PC card slot (contact Zebra for availability)
- Applicator interface
- CompactFlash cards

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



Zebra Bar Code Products

European Headquarters

Zebra House, The Valley Centre
Gordon Road, High Wycombe
Buckinghamshire HP13 6EQ
United Kingdom

Tel: +44 (0)1494 472872
Fax: +44 (0)1494 450103

Regional Sales Office

Mollsfeld 1
D-40670 Meerbusch
Germany

Tel: +49 (0) 2159 6768 0
Fax: +49 (0) 2159 6768 22

Regional Sales Office

50 rue Marcel Dassault
F-92100 Boulogne-Billancourt
France

Tel: +33 (0)1 55 20 93 93
Fax: +33 (0)1 55 20 93 99

International Headquarters

333 Corporate Woods Parkway
Vernon Hills, IL 60061-3109
USA

Tel: +1 847 793 2600
Fax: +1 847 913 8766

Other Locations

United States: California, Florida, Rhode Island,
Wisconsin

Europe: Denmark, Italy

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

Middle East: Dubai



© 2004 Zebra Technologies
Europe Limited
Printed in the UK

*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.