Zebra® *Xi*™ Series

High-Performance Bar Code Printers

Higher Levels of Labeling

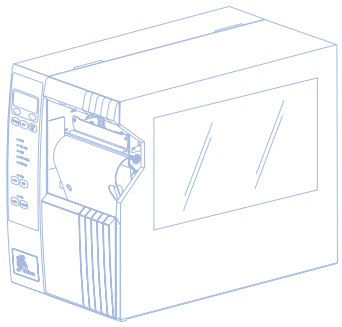
Providing superior performance, longevity, and solid value, the *Xi* series offers rugged durability, dependability, and unparalleled reliability in high-volume, mission-critical and specialty labeling solutions. These printers insure investment protection by offering more standard features and total 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. *Xi*III*Plus*™ 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 *Xi*III*Plus* 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 *Xi*III*Plus* printers couldn't meet or exceed.

*Xi*III*Plus* 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



ZebraLink™ Solutions

Software

ZebraDesigner™ Pro— Windows®-based label design software for simple label creation.

ZebraDesigner for XML—Easy-to-use label design software for printing on XML-Enabled printers.

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

ZebraNet Utilities v 7.0—Fully-featured administration package features *View*, for user-friendly automatic printer location; *Alert*, for event alerts sent based on users' roles; and more.

ZBI-Developer™—Intuitive programming utility used to create, test and distribute ZBI 2.0™ applications.

Networking

ZebraNet® Internal Wireless Plus—delivers wireless security and supports 802.11b/g.

ZebraNet 10/100 Print Server—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 of Zebra printers into most ERP systems cuts programming costs.

ZBI 2.0™—Optional, powerful programming enhancement that lets printers run stand-alone applications, connect to peripherals, and much more.

110*Xi*III*Plus*™—203/300 dpi

The 110*Xi*III*Plus*, with 203- or 300-dpi printhead, offers flexibility and affordability. Starting at just $2,995 (U.S. list), the variable-width 110*Xi*III*Plus* 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 110*Xi*III*Plus* 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 110*Xi*III*Plus* has an RFID Ready option that allows you to upgrade to RFID technology in the future.

110*Xi*III*Plus*—600 dpi

The affordable 110*Xi*III*Plus* 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

140*Xi*IIIPlus™

The 140*Xi*IIIPlus 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 140*Xi*IIIPlus 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

170*Xi*IIIPlus™ 203/300 dpi

The industrial-strength 170*Xi*IIIPlus 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 170*Xi*IIIPlus 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 170*Xi*IIIPlus has an RFID Ready option that allows you to upgrade to RFID technology in the future.

220*Xi*IIIPlus™ 203/300 dpi

The flexible, wide-web 220*Xi*IIIPlus 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

***Xi* Series**

Zebra's wide range of durable and reliable *Xi* series printers for nonstop environments is optimized for today's most demanding uptime requirements.

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

XML-Enabled printing—direct-connect integration for bar code label printing; eliminates license fees and print server hardware and lowers customization and programming costs

OPERATING CHARACTERISTICS

Environment

Operating Temperature:
41° F/5° C to 104° F/40° C (Thermal Transfer)
32° F/0° C to 104° F/40° C (Direct Thermal)

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

ZBI-Developer

Networking

ZebraNet® Internal Wireless Plus

ZebraNet Wireless Plus

ZebraNet 10/100 Print Server

ZebraNet PrintServer II

IBM® twinax/coax interface

Firmware

ZPL II®

Global Printing

APL

XML-Enabled

Web View

Alert

ZBI 2.0

FONTS/GRAPHICS/SYMBOLOGIES

Fonts and Character Sets

Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)

Contains UFST® from Monotype Imaging, Inc.

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 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, GS1 DataBar (RSS), Aztec

OPTIONS AND ACCESSORIES

Rewind

Cutter (now available on all *Xi*III*Plus* printers)

Bi-fold media door with clear panel

Label peel

Media supply spindle for 40 mm cores (not available on 220*Xi*III*Plus*)

Scalable and international fonts

PC cards

CompactFlash (CF) card (not supported with ZebraNet Wireless Plus)

Applicator interface

64 MB On-Board Linear Flash Memory

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