



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

Meet the *XiIIIPlus* Family!

XiIIIPlus printers offer superior connectivity solutions including:

- ▶ XML-enabled printing—Direct-connect integration for bar code label printing that eliminates license fees and print server hardware, and lowers customization and programming costs
- ▶ ZebraNet Wireless Print Server—Secure wireless network connectivity for location-independent printer operations anytime, anywhere
- ▶ ZebraNet 10/100 Print Server—Flexible 10/100 Ethernet connectivity for high-performance and industrial-strength printers
- ▶ Zebra Printer Management—Easily integrate and maintain remote Zebra printers in a distributed environment with Zebra's advanced centralized printer management tools, including ZebraLink™, ZebraNet™ Utilities, and ZebraNet Bridge



110*XiIIIPlus*™—203/300 dpi

The 110*XiIIIPlus*, with 203- or 300-dpi printhead, offers flexibility and affordability. Starting at just \$2,995 (U.S. list), the variable-width 110*XiIIIPlus* 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*XiIIIPlus* 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



110*XiIIIPlus*—600 dpi

The affordable 110*XiIIIPlus* 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

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

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

Zebra Printer Management

ZebraLink—A real-time connectivity and control solution resident on Zebra printers offering Alert, WebView, and Zebra BASIC Interpreter (ZBI™).
ZebraNet Utilities—Applications installed on a networked PC that control and monitor ZebraNet print servers.
ZebraNet Bridge—Merges printer and print server management capabilities into a single, easy-to-use application.

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

*Specifications subject to change without notice.
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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
ZebraNet Wireless Print Server (optional)
ZebraNet 10/100 Print Server (optional)
ZebraNet PrintServer II (optional)

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

PROGRAMMING LANGUAGES

ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables format 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.
APL™—In many cases, Zebra's Alternate Programming Language allows integration of Xi series printers into mixed printer environments without format re-programming.

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

OPTIONS AND ACCESSORIES

XML-enabled printing
APL (203 dpi printers only)
ZebraNet Wireless Print Server
ZebraNet 10/100 Print Server
ZebraNet PrintServer II
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
IBM twinax interface
IBM coax interface
BAR-ONE® 6.04 software

