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. XiIIPlus™ 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 XiIIPlus 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 XiIIPlus printers couldn’t meet or exceed.

XiIIPlus 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
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 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

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 203 dpi 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 license fees and printer server hardware, and lowers customization 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 minimize downtime.

XiIIIPlus™—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 (203-dpi model only) has an RFID Ready option that allows you to upgrade to RFID technology in the future.

XiIIIPlus—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
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 (203-dpi model only) has an RFID Ready option that allows you to upgrade to RFID technology in the future.
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
- 300 dpi: 12 dots per mm

### 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

---

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

### 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 (203-dpi model only) has an RFID Ready option that allows you to upgrade to RFID technology in the future.

---

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

### 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).
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

MEDIA CHARACTERISTICS
Labels
Max. Roll Size: 8”/203 mm O.D. on a .3776 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

OPERATING CHARACTERISTICS
Environment
Operating Temp. (tt): 41º F/5º C to 104º F/40º C
Operating Temp. (dt): 32º F/0º C to 104º F/40º C
Storage/Transport Environ.: -40º F/-40º C to 140º F/60º 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);
EN61000-3-2, 3 w/amendment A12;
Canadian ICES-003, Class B, FCC Class B,
Argentina 92/86 Phase 3; Australia AS/NZS 3548;
R.O.C. CNS 13438; BSMI; CCC

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®
XML-enabled
Web View
Alert

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
Scalable and international fonts
PC cards
CompactFlash (CF) card
Applicator interface

*Specifications subject to change without notice. ©2005 ZIH Corp. ZebraLink, ZebraDesigner, ZebraNet, APL, Element Energy Equalizer, and all product names and numbers are Zebra trademarks, and Zebra, ZebraNet, ZPL, and ZPL II are registered trademarks of ZIH Corp. All rights reserved. CompactFlash is a registered trademark of SanDisk Corporation. IBM is a registered trademark of International Business Machines Corporation. UFST is a registered trademark of Agfa Monotype Corporation. All other trademarks are property of their respective owners.