Xi™ Series
High Performance Bar Code Printers

Higher Levels of Labeling

The newest family of five, XiIIIPlus™ printers are superior performing Xis! There’s a labeling solution to fulfill any need—from 600dpi resolution for small label printing to an 8.5-inch print width for wide labels and forms. Exciting, new features include a 32-bit processor; increased memory for label formats, graphics, fonts and ZBI programs; and an early warning notification for printhead maintenance support. XiIIIPlus printers also offer more connectivity choices than their competitors, including ZebraLink, ZebraNet Wireless Card Socket; and USB 2.0, serial and parallel ports. iSeries (AS/400) network users choose from a wide range of Twinax/Coax and IPDS connectivity options. Add up all the bells and whistles, and 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 high performance, mission-critical ruggedness. These hardworking printers are the ones to call on—24/7—in heavy duty, industrial operations.

XiIIIPlus printers from Zebra offer revolutionary features including:

• New 32-bit processor for faster throughput and processing speeds
• Increased 16MB SDRAM memory (over 12MB user available) for printing longer label formats
• 4MB non-volatile Flash memory (2MB user available)
• Early service warning notification for printhead maintenance support
• 300 unique darkness settings—great for printing on synthetic materials

Zebra
Connect with it. Count on it.™
Meet The XiIIIPlus™ Family!

XiIIIPlus printers offer superior connectivity solutions including:

- **ZebraNet® Wireless Card Socket**, which eliminates the costs of recabling when a printer is moved or reconfigured.

- **ZebraLink™**, a revolutionary real-time connectivity and control solution for Zebra printers, which includes:
  1. **Alert** (with ZebraNet® PrintServer II)—enables a Zebra printer to send unsolicited status messages via email-enabled devices (e.g. pagers, cell phones, PCs and PDAs).
  2. **WebView** (with ZebraNet PrintServer II)—enables the 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.

ZebraLink gives you the freedom to create stand-alone applications using an XiIIIPlus and peripheral devices without needing a PC host. ZBI can then transmit data captured by these devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

Test drive an XiIIIPlus with ZebraLink today at [www.zebra.com/livelink](http://www.zebra.com/livelink)!

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**90XiIIIPlus™**

The 90XiIIIPlus printer is ideal for applications that require small, high-resolution bar code labels, such as tracking printed circuit boards and small parts, and identifying small products. The printer's standard 300dpi printhead ensures text, graphics and bar codes always print clearly—essential when label space is limited.

- **MAXIMUM PRINT AREA**
  - Width: 3.4"/86mm
  - Length (with standard memory): 39"/991mm

- **RESOLUTION**
  - 300dpi/12dots per mm

- **MAXIMUM PRINT SPEED**
  - 8"/203mm per second

- **PHYSICAL CHARACTERISTICS**
  - Width: 9.15"/232.4mm
  - Depth: 19.5"/495mm
  - Height: 15.5"/393.7mm
  - Weight: 50lbs/22.7kg

- **MEDIA SPECIFICATIONS**
  - Label and liner width: .79"/20mm to 3.54"/90mm
  - Ribbon width: .79"/20mm to 3.4"/87mm

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**96XiIIIPlus™**

With a print resolution of 600dpi—the 96XiIIIPlus—is unmatched at printing precise bar codes, text and graphics information in limited label space. This printer is ideal for applications that require extremely high resolution—labeling electronic components, telecommunications assemblies, computer peripherals, small pharmaceutical packaging, diagnostic research samples, and more.

- **MAXIMUM PRINT AREA**
  - Width: 3.2"/81mm
  - Length (with standard memory): 20"/508mm

- **RESOLUTION**
  - 600dpi/23.5dots per mm

- **MAXIMUM PRINT SPEED**
  - 4"/102mm per second

- **PHYSICAL CHARACTERISTICS**
  - Width: 9.15"/232.4mm
  - Depth: 19.5"/495mm
  - Height: 15.5"/393.7mm
  - Weight: 50lbs/22.7kg

- **MEDIA SPECIFICATIONS**
  - Label and liner width: .79"/20mm to 3.54"/90mm
  - Ribbon width: .79"/20mm to 3.4"/87mm
### Xi Series™

#### 140XiIIIPlus™
- The 140XiIIIPlus gets the job done fast, printing at up to 12 inches per second (ips). 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.

<table>
<thead>
<tr>
<th>MAXIMUM PRINT AREA</th>
<th>Width: 5.04”/128mm</th>
<th>Length (with standard memory): 39”/991mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOLUTION</td>
<td>203dpi/8dots per mm</td>
<td></td>
</tr>
<tr>
<td>MAXIMUM PRINT SPEED</td>
<td>12”/305mm per second</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL CHARACTERISTICS</td>
<td>Width: 11.15”/283.2mm</td>
<td></td>
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<tr>
<td></td>
<td>Depth: 19.5”/495mm</td>
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<tr>
<td></td>
<td>Height: 15.5”/393.7mm</td>
<td></td>
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<tr>
<td></td>
<td>Weight: 55lbs./25kg</td>
<td></td>
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<tr>
<td>MEDIA SPECIFICATIONS</td>
<td>Label and liner width: 1.57”/40mm to 5.51”/140mm</td>
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<tr>
<td></td>
<td>Ribbon width: 1.57”/40mm to 5.1”/130mm</td>
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</table>

#### 170XiIIIPlus™
- The industrial-strength 170XiIIIPlus has a 12-gauge steel frame, 300dpi print resolution and the ability to print labels up to 6.6 inches wide at eight ips. Tough compliance labeling applications are no match for the 170XiIIIPlus, since it can easily print large numbers of AIAG, ODETTE, UCC/EAN-128 and other compliance labels on demand or in batches.

<table>
<thead>
<tr>
<th>MAXIMUM PRINT AREA</th>
<th>Width: 6.6”/168mm</th>
<th>Length (with standard memory): 39”/991mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOLUTION</td>
<td>300dpi/12dots per mm</td>
<td></td>
</tr>
<tr>
<td>MAXIMUM PRINT SPEED</td>
<td>8”/203mm per second</td>
<td></td>
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<tr>
<td>PHYSICAL CHARACTERISTICS</td>
<td>Width: 13.15”/334.4mm</td>
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<tr>
<td></td>
<td>Depth: 19.5”/495mm</td>
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<tr>
<td></td>
<td>Height: 15.5”/393.7mm</td>
<td></td>
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<tr>
<td></td>
<td>Weight: 67lbs./30.5kg</td>
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<tr>
<td>MEDIA SPECIFICATIONS</td>
<td>Label and liner width: 2”/51mm to 7.1”/180mm</td>
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<tr>
<td></td>
<td>Ribbon width: 2”/51mm to 6.7”/170mm</td>
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</tbody>
</table>

#### 220XiIIIPlus™
- The 220XiIIIPlus quickly prints labels up to 8.5 inches wide at 10ips. 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.

<table>
<thead>
<tr>
<th>MAXIMUM PRINT AREA</th>
<th>Width: 8.5”/216mm</th>
<th>Length (with standard memory): 39”/991mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOLUTION</td>
<td>203dpi/8dots per mm</td>
<td></td>
</tr>
<tr>
<td>MAXIMUM PRINT SPEED</td>
<td>10”/254mm per second</td>
<td></td>
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<tr>
<td>PHYSICAL CHARACTERISTICS</td>
<td>Width: 15.65”/397.5mm</td>
<td></td>
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<tr>
<td></td>
<td>Depth: 19.5”/495mm</td>
<td></td>
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<tr>
<td></td>
<td>Height: 15.5”/393.7mm</td>
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<tr>
<td></td>
<td>Weight: 72lbs./32.7kg</td>
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<tr>
<td>MEDIA SPECIFICATIONS</td>
<td>Label and liner width: 4.25”/108mm to 8.8”/224mm</td>
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<td></td>
<td>Ribbon width: 4.25”/108mm to 8.6”/220mm</td>
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</tbody>
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**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
- ZebraLink™ connectivity
- New processor for increased throughput and processing speeds
- 16M B SDRAM; 4M B non-volatile Flash memory
- Advanced counters
- Enhanced Alert notification—monitors printhead condition
- 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
- Transmissive and reflective media sensors
- Multi-level Element Energy Equalizer (E3) for superior print quality
- Compact Flash (available August 2002)
- Zebra 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.
- 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

### MEDIA CHARACTERISTICS
- Labels
  - Max. Roll Size: 8"/203mm O.D. on a 3"/76mm I.D. core
  - Thickness (label & liner): .003"/.076mm to .012"/.305mm
  - Media Types: Continuous, die-cut or black mark
  - Performance, use Genuine Zebra Supplies.
- Ribbons
  - Ribbon is recommended to be at least as wide as media.
  - Max. Roll Size: 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core
  - Standard Lengths: 1,476'/450m or 984'/300m; provides 3:1 & 2:1 media roll to ribbon ratios
  - Ribbon Setup: Ribbon wound ink side out

### 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
  - ZebraNet PrintServer II (optional)
  - ZebraNet Wireless Card Socket (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

### OPTIONS AND ACCESSORIES
- ZebraNet PrintServer II
- ZebraNet Wireless Card Socket
- Rewind
- Cutter (now available on all Xi™III Plus printers)
- Bi-fold media door with clear panel
- Label peel
- Media supply spindle for 40mm cores (not available on 220Xi™III Plus)
- Scalable and international fonts
- PC cards
- Applicator interface
- IBM Twinax interface
- IBM Coax interface
- BAR-ONE® software
- Compact Flash cards

### FONTS/GRAPHICS/SYMBOLS
- 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
  - 2-Dimensional: Codablock, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39

*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.*