



Zebra® Xi Series

High-Performance Bar Code Printers

Higher Levels of Labeling

Offering superior performance for mission critical printing the *Xi* series delivers a labeling solution to fulfill any need—from 203-dpi resolution for general labeling requirements to 600-dpi for specialty labeling applications. Key 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 XML-enabled printing, ZebraLink™, ZebraNet® Wireless Card Socket, and USB 2.0, serial, and parallel ports. *XiIIIPlus* printers take high performance to an all-new level!

Everything you count on with Zebra's Xi series printers, plus more!

Known for their high performance and ruggedness, versatile *XiIIIPlus* printers can work day in and day out in any environment—even the harshest industrial operation. Now, with Zebra's new XML-enabled printing option for direct-connect simplicity, they bring ease of integration to most supply chain and manufacturing system applications—resulting in a printing solution with a proven lower total cost of ownership.

XiIIIPlus printers from Zebra offer revolutionary features including:

- 32 bit 133 MHz RISC processor for faster throughput and processing
- Increased 16 MB SDRAM memory (over 12 MB user available) for printing longer label formats
- CompactFlash® (up to 256 MB memory) for added label format/font storage
- 4 MB non-volatile Flash memory (2 MB user available)
- Early service warning for printhead maintenance and ribbon/media changes
- 300 distinct darkness settings—for fine-tuning print quality



Connect with it. Count on it.™

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 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 e-mail-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.



110XiIIIPlus—203/300 dpi

The 110*XiIIIPlus*, with 203- or 300-dpi print-head, replaces Zebra's 300-dpi 90*XiIIIPlus*™ printer—and surpasses it in 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



110XiIIIPlus—600 dpi

Like the 600-dpi 96*XiIIIPlus*™ printer that it replaces, 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 labeling 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

The industrial-strength 170XiIIIPlus has a 12-gauge steel frame, 300-dpi print resolution, and the ability to print labels up to 6.6 inches wide at 8 inches per second. 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.

MAXIMUM PRINT AREA

Width: 6.6"/168 mm

Length (with standard memory):
39"/991 mm

RESOLUTION

300 dpi/12 dots per mm

MAXIMUM PRINT SPEED

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

The 220XiIIIPlus quickly prints labels up to 8.5 inches wide at 10 inches 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: 8.5"/216 mm

Length (with standard memory):
39"/991 mm

RESOLUTION

203 dpi/8 dots per mm

MAXIMUM PRINT SPEED

10"/254 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

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.

Xi Series



Specifications at a Glance*

STANDARD FEATURES

Print methods: Thermal transfer or direct thermal
Construction: 12-gauge steel frame
ZebraLink connectivity
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 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

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; 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 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

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 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
ZebraNet PrintServer II
ZebraNet Wireless Card Socket
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

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