Xi™ Series

High Performance Bar Code Printers

Higher Levels of Labeling

The newest family of five, *Xi*III*Plus*™ printers are superior performing *Xi*s! 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. *Xi*III*Plus* 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 *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 high performance, mission-critical ruggedness. These hardworking printers are the ones to call on—24/7—in heavy duty, industrial operations.

*Xi*III*Plus* 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.™

Xi Series™

Meet The *Xi*III*Plus*™ Family!

*Xi*III*Plus* 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 *Xi*III*Plus* 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 *Xi*III*Plus* with ZebraLink today at www.zebra.com/livelink!

90X*i*III*Plus*™

The 90*Xi*III*Plus* 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

96X*i*III*Plus*™

With a print resolution of 600dpi—the 96*Xi*III*Plus*—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, telecommunication 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

X i Series™

140 *Xi*III *Plus*™

The 140*Xi*III*Plus* 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 140*Xi*III*Plus* is also well suited for applications in which labels are required quickly, either on demand or in batches.

MAXIMUM PRINT AREA
Width: 5.04"/128mm

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

RESOLUTION
203dpi/8dots per mm

MAXIMUM PRINT SPEED
12"/305mm per second

PHYSICAL CHARACTERISTICS
Width: 11.15"/283.2mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 55lbs./25kg

MEDIA SPECIFICATIONS
Label and liner width: 1.57"/40mm to
  5.51"/140mm

Ribbon width: 1.57"/40mm to
  5.1"/130mm

170 *Xi*III *Plus*™

The industrial-strength 170*Xi*III*Plus* 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 170*Xi*III*Plus,* 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"/168mm

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

RESOLUTION
300dpi/12dots per mm

MAXIMUM PRINT SPEED
8"/203mm per second

PHYSICAL CHARACTERISTICS
Width: 13.15"/334.4mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 67lbs./30.5kg

MEDIA SPECIFICATIONS
Label and liner width: 2"/51mm to
  7.1"/180mm

Ribbon width: 2"/51mm to
  6.7"/170mm

220 *Xi*III *Plus*™

The 220*Xi*III*Plus* 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.

MAXIMUM PRINT AREA
Width: 8.5"/216mm

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

RESOLUTION
203dpi/8dots per mm

MAXIMUM PRINT SPEED
10"/254mm per second

PHYSICAL CHARACTERISTICS
Width: 15.65"/397.5mm

Depth: 19.5"/495mm

Height: 15.5"/393.7mm

Weight: 72lbs./32.7kg

MEDIA SPECIFICATIONS
Label and liner width: 4.25"/108mm
  to 8.8"/224mm

Ribbon width: 4.25"/108mm to
  8.6"/220mm

X i **S e r i e s**™

▶ STANDARD FEATURES

Print methods: Thermal transfer or direct thermal

Construction: 12-gauge steel frame

ZebraLink™ connectivity

New processor for increased throughput and processing speeds

16MB SDRAM; 4MB 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

Electrical

Universal power supply with power-factor correction 90–264 VAC; 48–62 Hz

Communication Interface Capabilities

USB 2.0 port (480M 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

▶ 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

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"/81.3mm 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

▶ 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 digital extensions, Plessey, Postnet, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code

2-Dimensional: Codablock, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417, TLC 39

▶ 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 220*Xi*III*Plus*)

Scalable and international fonts

PC cards

Applicator interface

IBM Twinax interface

IBM Coax interface

BAR-ONE® software

Compact Flash cards