220Xi4 High-Performance Printer

Legendary rugged durability, print quality and longevity

Zebra's built-to-last 220Xi4 printer is renowned for it's incredible durability, consistently outstanding print quality, fast print speed, long life and unparalleled reliability in demanding applications. The 220Xi4 is designed for printing of labels up to 8" wide for chemical drum or other wide label applications. The ZT610 or ZT620 Industrial printers are the preferred printers for high volume print applications with a print width of less than 6.6" (168 mm).

Zebra OneCare Services
Increase printer uptime, and reduce lost productivity and unbudgeted repair costs, by selecting a Zebra® OneCare™ service agreement. A cost-effective means of planning and budgeting your annual maintenance expenditures, your agreement ensures that trained Zebra technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

Genuine Zebra Supplies
Ensure consistent print quality, reduce downtime and increase productivity in your printing process with Genuine Zebra™ supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.

Built to Perform. Day In and Day Out. Year After Year.

Zebra's 220Xi4 printer is loaded with features and options that makes it easy to set up, integrate and operate.

Easy to Integrate
The 220Xi4 printer build on this legacy to boost your operational productivity and give you enhanced early warning systems for reduced downtime. Other performance features include a large, easy-to-read front panel for simple setup with optional customizable menu and support for a wider assortment of languages. Integration is easier with a variety of network connectivity options, while ZebraLink™ Solutions provide remote printer management capabilities.

**For more information about the 220Xi4 High-Performance Industrial Printer,
visit www.zebra.com/xiseries or access our global contact directory at www.zebra.com/contact**

Strong Return on Your Investment

Zebra’s 220Xi4 printer give you reliable performance over the long run to minimize maintenance needs and total cost of ownership. With one printer model and Zebra’s wide range of label materials and sizes, you can address a variety of printing applications, reducing the need to purchase different printers for every specific labeling application. The wireless connectivity option frees you from paying for recabling with every physical reconfiguration of your operations.

Productivity That Won’t Quit

Drive down operations downtime with the all-metal 220Xi4 printers’ rugged dependability and premium performance. For mission-critical and 24/7 operations, every minute down means money out the window.

• The long-proven Xi series platform is designed and built to work nonstop, all day, every day.• Durable metal printhead mechanism delivers outstanding print quality over the long run, reducing or eliminating downtime for printhead replacement.• Enclosed operating mechanisms block out debilitating dust and dirt.

Specifications

Standard Features

• Print methods: Thermal transfer or direct thermal
• Full-function front panel and large, multilingual, back-lit LCD display with user-programmable password protection
• Clear media side door allows easy monitoring of supplies usage without opening the printer systems
• 32 bit 133 Mhz RISC processor
• 64 MB on-board linear Flash memory
• 16 MB SDRAM Flash memory
• Internal real-time clock
• Advanced label/media counters
• Dual media sensors — transmissive and reflective, selectable through software or front panel
• Auto calibration when printer is turned on or when printhead is closed using approximately two labels
• Early warning systems provide low label, low ribbon and clean printhead alerts via the front panel and ZebraLink alerts
• Thin film printhead with E3™ Element Energy™ Equalizer for superior print quality
• Communications: USB 2.0, RS-232 Serial, and bi-directional Parallel port with auto detect
• Internal ZebraNet® 10/100 Print Server (Ethernet)
• ENERGY STAR® qualified

Printer Specifications

Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm
Memory	64 MB Flash; 16 MB RAM
Maximum Print Width	8.5"/216 mm
Maximum Print Speed	10"/254 mm per second (203 dpi) 6"/152.4 mm per second (300 dpi)
Media Sensors	Transmissive and reflective

Media Characteristics

Media Width	4.25" (108 mm) to 8.8" (224 mm)
Maximum Media Roll Size	8.0" (203 mm) outside diameter on a 3" (76 mm) inside diameter core
Thickness	0.003"/0.076 mm to 0.012"/0.305 mm
Media Types	Continuous, die-cut gap, black mark, notch or hole
Minimum Non-Continuous Label Length	0.25"/6 mm (Rewind mode) 0.5"/13 mm (Peel mode) 0.7"/18 mm (Tear-off mode) 1.5"/38 mm (Cutter mode)

Ribbon Characteristics (Thermal-transfer option only)

Outside Diameter	3.2"/81.3 mm
Standard Length	1476'/450 M 984'/300 M
Width	4.25" (108 mm) to 8.6" (220 mm)
Core I.D.	1.0"/25.4 mm

Software Tools

ZebraLink Solutions
Zebra Setup Utilities — A Windows application to quickly set up and configure your Zebra printer.
ZebraDesigner™ — Simple Windows WYSIWYG label design application with basic features.
ZebraDesigner Pro — Simple Windows WYSIWYG label design application offering more advanced features for more complex label designs.
ZBI-Developer™ — Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0™ programs and distribute them to the printer (standard with ZBI 2.0).
ZebraNet™ Bridge Enterprise — Centrally manage Zebra printers from a single PC screen anywhere on your global network.
ZebraNet Utilities v7.0 — Provides enhanced printing, conversion and administration capabilities; message management; and more.
Zebra Enterprise Connector — Print labels directly from Oracle's BI Publisher with the Enterprise Connector and Zebra printers.
ZDesigner Windows Driver — Zebra's powerful Microsoft certified Windows driver.

Web View
Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers.

Alert
Printers equipped with ZebraNet print servers will notify you via any email-enabled wired, or wireless device to minimize downtime.

Firmware

ZBI 2.0 — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.
ZPL® & ZPL II® — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

Barcode Symbologies

Linear Barcodes: 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 and Planet Code
2D Barcodes: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, GS1 DataBar (RSS), Aztec

Fonts and Graphics

Unicode™-compliant Global Printing
Bitmap fonts A through H and GS symbols are expandable up to 10 times, height and width independent
Smooth scalable font Ø (CG Triumvirate™ Bold Condensed*) is expandable dot-by-dot, height and width independent
IBM® Code Page 850 International Characters
Supports user-defined fonts and graphics — including custom logos
61 MB user-available non-volatile memory storage for downloadable objects 12 MB user-available SDRAM
Bitmap fonts A through H and GS symbols are
*Contains UFST® from Agfa Monotype Corporation

Options and Accessories

Clear media side bi-fold door–allows shorter media door opening radius Full-width rotary knife cutter and catch tray–operates under software control cutting labels individually or in strips
Media rewind spindle–rewinds finished roll internally onto 3" (76 mm) core or enables label peel and liner rewind
Applicator interface – provides status and control signals for applicators and remote control devices
Media supply spindle for 3" (76mm) core or 40mm core
Additional fonts

Markets and Applications

Manufacturing

• Drum labeling
• Shipping and Receiving
• Work-in-process
• Put-away labeling

Operating Characteristics

Environmental	Operating Temperature: 40°F to 105°F/5°C to 40°C• Thermal transfer: 40°F to 105°F/5°C to 40°C • Direct thermal: 32°F to 105°F/0°C to 40°C Operating Humidity: 20% to 85% non-condensing Storage/Transportation Temperature: -40°F to 140°F/-40°C to 60°C Storage Humidity: 5% to 85% non-condensing
Electrical	90-264VAC; 48-62Hz ENERGY STAR qualified (140Xi4, 170Xi4, 220Xi4)
Agency Approvals	IEC 60950-1, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3 Product Markings: cTUVus, CE, FCC-B, ICES-003, VCCI, C-Tick, NOM, S-Mark(Arg), CCC, GOST-R, BSMI, KCC, STB, and UkrSEPRO

For optimum print quality and printer performance, use Genuine Zebra supplies. Specifications subject to change without notice.

Physical Characteristics

Height	15.5" / 393.7 mm
Width	15.81" / 401.6 mm
Depth	20.38" / 517.5 mm
Weight	72 lbs. / 32.7 kg

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