

Trade Scales Limited

Thermal Label Printing Solutions

Zebra RFID RXI Series

Features

The high-performance R110Xi (for 4-inch smart labels) and the R170Xi (for 6-inch smart labels) have been designed for case- and pallet-level identification for companies needing to streamline logistics and supply chain management and other applications including:

- Asset Tracking
- Inventory Management
- Work in Process
- Shipping/Receiving
- Distribution

Built on the solid, tested XiIIIPlus™ printer platform, Zebra's R110Xi and R170Xi printer/encoders offer an unprecedented level of on-demand printing flexibility in tag placement and label size (4-inch and 6-inch), as well as unique features such as XML-Enabled printing for seamless integration into enterprise systems, easier programming, more detailed front panel information, faster throughput, and statistics tracking, which allows customers to track the number of good and unusable labels. As Zebra's most robust printer/encoders, the R110Xi and R170Xi are built to withstand extreme conditions and deliver high-volume printing. They offer a rich set of features to meet the demands of leading RFID applications today—including auto-calibration, multiple power settings and flexible inlay placement.

These printer/encoders embed the robust ThingMagic® Mercury4e® multi-protocol reader/encoder, which supports EPC Gen 2, ISO 1000-6C and existing standards. Using software-defined radio technology, the R110Xi and R170Xi models can be easily firmware upgraded to support emerging protocols and features with no compromise in performance.



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Specifications

Model	R110Xi	R170Xi
Max. Print Width	203 dpi: 4.0" (103 mm) 300 dpi: 4.0" (103 mm)	203 dpi: 6.6" (168 mm) 300 dpi: 6.6" (168 mm)
Max Print Speed	203 dpi: 2.4" (61 mm), 3" (76 mm) through 10" (254 mm) per second in 1" (25 mm) increments 300 dpi: 2.4" (61 mm), 3" (76 mm) through 8" (203 mm) per second in 1" (25 mm) increments	203 dpi: 2.4" (61 mm), 3" (76 mm) through 12" (305 mm) per second in 1" (25 mm) increments 300 dpi: 2.4" (61 mm), 3" (76 mm) through 8" (203 mm) per second in 1" (25 mm) increments
Physical Characteristics	Width: 10.37" (263.5 mm) Height: 15.5" (393.7 mm) Depth: 19.5" (495.3 mm) Weight: 50 lbs. (22.7 kg)	Width: 13.15" (334.4 mm) Height: 15.5" (393.7 mm) Depth: 19.5" (495.3 mm) Weight: 67 lbs. (30.5 kg)
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm	203 dpi/8 dots per mm 300 dpi/12 dots per mm
Label and Liner Widths	203 dpi and 300 dpi: .79" (20 mm) to 4.5" (114 mm)	2.0" (51 mm) to 7.1" (180 mm)
Ribbon Width	203 dpi and 300 dpi: .79" (20 mm) to 4.33" (110 mm)	2.0" (51 mm) to 6.7" (170 mm)
Print Methods	Thermal Transfer / Direct Thermal	
Memory	Standard 16 MB SDRAM (12 MB available for user); 4 MB Flash (2.0 available to user) Optional: PCMCIA or CompactFlash® (up to 256 MB memory each)	
Print Length	Maximum non-continuous: 39" (991 mm) with standard memory	
Media Sensors	Dual media sensors: transmissive and reflective	
Max. Label and Liner Length	39"/991 mm with standard memory	
Max. Roll Outside Diameter	8.0" (203 mm)	
Core Diameter	3" (76 mm) core	
Media Thickness	.003" (.076 mm) to .0012" (.305 mm)	
Media Types	Continuous, die-cut, black mark	
Ribbon Outside Diameter	3.2" (81.3 mm)	
Ribbon Standard Length	1476' (450 m) or 984' (300 m); provides 3:1 & 2:1 media roll to ribbon ratios.	
Ratio	Ribbon wound coated side out. Ribbon is recommended to be at least as wide as media.	
Core I.D.	1.0" (25.4 mm)	
Electrical	Universal power supply with power-factor correction 90-264 VAC, 48-62 Hz	
Agency Approvals	Bi-National UL 60950 3rd edition/CSA CAN/CSA-C22.2 No. 60950-00 Third Edition; FCC Part 15.107 & 15.109 Class B; FCC Part 15.247; Canadian ICES-003, Class B; IC RSS-210	

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Specifications (Cont'd)

Environment	<p>Operating temperature: Thermal transfer = 41° F/5° C to 104° F/40° C Thermal direct = 32° F/0° C to 104° F/40° C Storage temperature: -40° F/-40° C to 140° F/60° C Operating humidity: 20% to 85% non-condensing R.H. Storage humidity: 5% to 85% non-condensing R.H.</p>
Programming Languages	<p><u>Zebra Printer Management</u> ZebraLink™ ZebraNet™ Utilities ZebraNet Bridge <u>Programming Language</u> 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.</p>
Bar Codes/Symbologies	<p>Linear Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case 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</p>
Fonts And Graphics	<p>Character Fonts Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H, (OCR-A), GS & Ø Smooth scalable font (CG Triumvirate™ Bold Condensed). Contains UFST® from Agfa Monotype Corp. Character Sets IBM Code Page 850 International characters & graphic symbols. Supports user defined fonts and graphics—including custom logos. Smooth scalable font Ø (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height and width independent, while maintaining edges to a max. 1500 x 1500 dots. IBM Code Page 850 International Characters available in fonts A,B,D,E,F,G and Ø through software control.</p>

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Zebra RXI Series Standard Features:

- Fully integrated ThingMagic® UHF RFID reader/encoder for transponder types:
 - EPC Class 1 EPC Class 0
 - Matrics' 0+
 - ISO18000-06B
 - EPC "Gen2" via firmware update
- RFID processes optimized for fastest label throughput
- New RFID ZPL® commands allow ease of RFID set up with maximum flexibility
- Program position allows users to place transponders virtually anywhere within a smart label
- RFID calibration feature automatically selects the program position for optimal transponder placement
- RFID counters keep track of the good and unusable labels
- Variable RFID power settings for both read and write allows maximum flexibility for printing small labels
- Full function front panel and multilingual backlit LCD display with user-programmable password protection
- ZebraLink, WebView, (requires optional ZebraNet PrintServer II) and Alert (requires optional ZebraNet PrintServer II)
- Thin film printhead with E3® Element Energy Control
- Thermal transfer and thermal direct printing of bar codes, text, and graphics
- XML-enabled printing
- 32 bit 133 MHz RISC processor
- Type I, II linear memory up to 32 MB and future availability of Type III Series PC Card Interface
- Clear media side door—easy monitoring of supplies usage without opening the printer systems
- Zebra printer driver for Windows® 3.X and 95/98/NT/2000 operating systems
- Internal real-time clock
- Advanced label/media counters
- Auto calibration—printer calibrates when printer is turned on or when printhead is closed with approximately two labels
- Early Warning Systems for low label, low ribbon, and clean printhead alerts

Zebra XI Series Options & Accessories:

- ZebraNet PrintServer II
- ZebraNet 10/100 Print Server
- ZebraNet Wireless Print Server
- Additional fonts
- RS-422/485 multi-drop (optional adaptor)
- Applicator interface
- IBM® twinax interface
- IBM coax interface
- BAR-ONE® software
- Media supply spindle
- Options and Accessories (cont.)
- Media rewind spindle
- Linear PCMCIA cards
- ATA-Style PCMCIA cards or CompactFlash (CF) cards
- Connectivity
- High-speed serial interface
- High-speed bi-directional, IEEE 1284-1994 parallel interface
- RS-232C with DB9F connector
- USB 2.0 port