This rugged and reliable RFID printer/encoder is built for the most demanding applications.

Meet the R110XiIIIPlus, Zebra's ultra-high-frequency (UHF) printer/encoder that provides robust support for smart labels with UHF Class 0 Matrics® EPC-compatible tags or with Matrics’ Class 0+ read/write tags. A valuable addition to Zebra’s line-up of industrial/commercial RFID printer/encoders, the high-performance R110XiIIIPlus provides a choice in EPC-compatible systems to support your RFID pilots. Affordably priced, the R110XiIIIPlus provides an immediate, concrete solution for companies that want to use Class 0 or Matrics’ Class 0+ tags to meet RFID mandates. Upgradeable to support future RFID protocols, the R110XiIIIPlus provides unmatched investment protection for end users.

High-Performance, High-Volume Smart Label Printing

Built upon Zebra’s highly regarded Xi platform, the R110XiIIIPlus is designed for high performance and mission-critical ruggedness in the most demanding environments. It delivers the legendary round-the-clock reliability and heavy-gauge-steel durability of Zebra’s high-performance Xi series as well as full 4-inch print width, 203-dot-per-inch resolution, and the extensive connectivity choices of 110XiIIIPlus, making it ideal for shipping, warehousing, and manufacturing.
**MEDIA CHARACTERISTICS – SMART LABELS**

- Maximum label and liner length: 39’/991 mm with standard memory
- Label and liner width: .79’/20 mm to 4.5’/114 mm
- Maximum roll outside diameter: 8.0’/203 mm
- Core diameter: 3’/76 mm core
- Media thickness: .003’/.076 mm to .012’/.305 mm
- Media types: Continuous or die-cut
- For optimum print quality and performance, use Genuine Zebra Supplies

**RIBBON CHARACTERISTICS**

- Outside diameter: 3.2’/81.3 mm
- Standard length: 1476’/450 m or 984’/300 m; provides 3:1 & 2:1 media roll to ribbon ratios
- Ratio: Ribbon is recommended to be at least as wide as media.
- Width: .79’/20 mm to 4.33’/110 mm
- Ribbon setup: Ribbon wound ink side out
- Core I.D.: 1.0’/25.4 mm

**OPERATING CHARACTERISTICS**

- **Environmental**
  - Operating Temp (tt): 41º F/5º C to 104º F/40º C
  - Operating Temp (dt): 32º F/0º C to 104º F/40º C
  - Storage Temp: -40º F/-40º C to 140º F/60º C
  - Operating Humidity: 20% to 85% non-condensing
  - Storage Humidity: 5% to 85% non-condensing
- **Electrical**
  - Universal power supply with power-factor correction 90-264 VAC, 48 – 62 Hz
  - Agency approvals:
    - cULus, FCC-B
- **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

**RELATED PRODUCTS**

- Options and Accessories
  - ZebraNet® Wireless Card Socket
  - ZebraNet® Print Server II
- Scalable and international fonts
- Applicator interface
- IBM twinax interface
- IBM coax interface
- BAR-ONE® software
- Media supply spindle for 40 mm cores
- PC/PCIA cards
- Compact Flash (CF) cards

**Connectivity**

- High-speed bi-directional, IEEE 1284 parallel interface
- RS-232C
- USB 2.0 port
- RS-422/485 multi-drop (optional adaptor)
- ZebraNet® Wireless Card Socket (optional)
- ZebraNet Print Server II (optional)

**STANDARD FEATURES**

- Integrated UHF RFID Reader/Encoder for EPC Class 0 (Matrics) tags and Matrics Class 0 + tags.
- Enhanced Alert notification – monitors printhead condition
- ZebraLink™
- Multi-level Element Energy Equalizer (E3®)

**PRINTER SPECIFICATIONS**

- **PHYSICAL CHARACTERISTICS**
  - Standard 16 MB SDRAM (12 MB available for user); 4 MB Flash (2.0 available to user)
- **Print methods**: Thermal transfer or direct transmissive
- **Print speed**: 203 dpi: 10”/254 mm per second
- **Print length**: 203 dpi: 4.09”/104 mm
- **Maximum Print Area**: 203 dpi: 4.09’/104 mm
- **Print speed**: 203 dpi: 10’/254 mm per second
- **Media Sensors**: Transmissive
- **Agency approvals**
  - Universal power supply with power-factor correction 90-264 VAC, 48 – 62 Hz
  - cULus, FCC-B

**FONTS AND GRAPHICS**

- **Bar Codes/Symbologies**
  - Supports user defined fonts and graphics – including custom logos
  - Smooth scalable font Ø (CG Triumvirate Bold Condensed)
  - IBM® Code Page 850
  - ZebraNet® Wireless Card Socket (optional)
- **Fonts and Graphics**
  - IBM® Code Page 850
  - ZPL II® – Universal language for Zebra Printers
  - BAR-ONE®—Controls and interprets text and data from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN or WAN via e-mail or TCP/IP messaging.

**By integrating the reader/encoder into the printer design, the R110XiIIIPlus offers end users significant flexibility in tag placement and label size.**

**SMART LABELS**

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- **Print methods**: Thermal transfer or direct transmissive
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*Specifications subject to change without notice.*

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