

# R110Xi

R F I D S m a r t L a b e l P r i n t e r / E n c o d e r



Weber's R110Xi from Zebra Technologies is a rugged and reliable RFID label printer/encoder that produces smart labels compliant with Electronic Product Code (EPC) Gen 1 and Gen 2 protocols.

The unit is designed to help suppliers meet the developing RFID supply chain requirements of major retailers and government agencies. And because its firmware is upgradeable to support new protocols, users are assured that they can seamlessly upgrade to future RFID protocols as needed.

The R110Xi encodes case- and pallet-level identification on very thin, UHF transponders embedded in pressure-sensitive smart labels, then instantly verifies the accuracy of that information.

The system also prints text, scannable linear and 2-D bar codes, and/or graphic images on the surface of the label at a resolution of 203- or 300-dpi. Labels up to 4.5" wide and 39" long can be dispensed by the printer at speeds up to 10" per second.

Built of heavy-gauge steel on Zebra's time-tested Xi platform, the R110Xi is intended for high performance and operational durability in demanding environments.

It's the ideal printer/encoder for companies who are streamlining logistics and supply chain management, and for applications like asset tracking, inventory management, shipping/receiving and distribution.

The R110Xi also provides XML-enabled printing to permit direct smart label printing and encoding from leading MRP applications.

Pressure-sensitive smart labels embedded with various EPC UHF RFID inlays are supplied by Weber. The same labels also are recommended for high-quality direct thermal or thermal-transfer imprinting. Compatible thermal-transfer ribbons also are available from Weber.

## Options

- Expandable memory



- ◆ Prints and encodes multiple RFID protocols
- ◆ 203- or 300-dpi print resolution
- ◆ Handles media up to 4.5" wide
- ◆ Heavy-gauge steel durability

**Weber**<sup>®</sup>

# R110Xi

## RFID Printer/Encoder Specifications

### Supported Transponder Type

EPC Gen 1 and Gen 2; upgradeable to support future protocols

### Printing Method

Thermal-transfer or direct thermal

### Thermal Head

203-dpi (8 dots/mm) or  
300-dpi (12 dots/mm)

### Label Width\*

0.79" to 4.5"  
(20mm to 114mm)

### Label Depth Minimum\*

0.25" (6mm)

### Label Depth Maximum\*

39.0" (991mm)

### Print Width

Up to 4.0" (103mm)

### Print Length

Up to 39.0" (991mm)

### Print Speed

203 dpi: Up to 10.0" (254mm) per second  
300 dpi: Up to 8.0" (203mm) per second

### Bar Code Symbolologies

*Linear bar codes:* Code 11, Code 39, Code 93 (USS-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 of 5 digit extensions, Plessey, Postnet, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code, RSS

*2D bar codes:* Codablock, PDF-417, Code 49, Data Matrix, MaxiCode, QR Code, Micro PDF417, TLC 39, RSS

### Available Character Heights

0.044" to 2.95" (1.1mm to 75mm)

### Available Character Widths

0.029 to 2.36" (0.74mm to 59.9mm)

### Memory

4 MB Flash, 16 MB SDRAM  
Optional: Compact Flash (up to 1 GB)

### Operator Controls/Indicators

Color-coded operator cues with backlit LCD control panel; auto-calibration; real-time clock

### Dimensions

10.37"W x 15.5"H x 19.5"D  
(264mm x 394mm x 495mm)

### Weight

50 lbs. (22.7kg)

### Media Sensor

Transmissive

### Communication Interface

- RS-232/422/485 serial port
- Bi-directional parallel interface
- Optional Ethernet Zebra Net PrintServer II

### Electrical

Auto-ranging 90-265 VAC; 48-62Hz

### Environment

Thermal-Transfer Operating Temp:  
40F to 104F (5C to 40C)

Direct Thermal Operating Temp:  
32F to 104F (0C to 40C)

Storage Temp:  
-40F to 140F (-40C to 60C)

Humidity:  
20% to 85% non-condensing R.H. (operating);  
5% to 85% non-condensing R.H. (storage)

\* Label width and depth dependent on RFID inlay



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