

R4Mplus™

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 R4Mplus from Zebra Technologies combines thermal/thermal-transfer printing with smart label encoding and verification to help comply with the emerging RFID supply chain requirements of major retailers and government agencies.

The R4Mplus encodes information on very thin, ultra-high frequency (UHF) transponders embedded in smart labels, then immediately verifies proper encoding. In addition, the printer is designed to support Electronic Product Code (EPC) RFID standards as they develop.

The unit also prints text, scannable bar codes and/or graphics on the surface of the label at a resolution of 203 dpi. It prints and encodes labels up to 4.5" wide and 39" long at speeds up to 10" per second.

The R4Mplus printer is built with a die-cast aluminum frame and base for dependable performance in harsh industrial environments. It

addresses many applications, including warehouse/distribution inventory control, logistics tracking, supply chain management, pharmaceutical packaging and tracking, and many others.

Pressure-sensitive smart labels embedded with EPC UHF Class 1 transponders are available from Weber. These labels also are suitable for high-quality thermal/thermal-transfer imprinting. Weber also supplies a variety of compatible thermal-transfer ribbons.

Options

- Expandable memory
- Adjustable transmissive label sensor

- ◆ Encodes EPC Class 1 labels/tags
- ◆ 203-dpi print resolution
- ◆ Prints/encodes media up to 4.5" wide
- ◆ Sturdy metal construction



Weber®

R4Mplus

RFID Printer/Encoder Specifications

Supported Transponder Type

EPC UHF Class 1

Printing Method

Thermal-transfer or direct thermal

Thermal Head

203-dpi (8 dots/mm)

Label Width*

1.0" to 4.5" Tear off
(25.4mm to 114mm)

Label Depth Minimum*

0.5" (12.7mm) Tear off

Label Depth Maximum*

39.0" (991mm)

Print Width

Up to 4.09" (104mm)

Print Length

Up to 165" (4202mm)

Print Speed

Up to 10.0" (254mm) per second

* Label width and depth dependent on RFID inlay

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 2.0" (0.7mm to 50.8mm)

Memory

2 MB Flash, 8 MB DRAM

Optional: Up to 32 MB additional linear flash via PCMCIA or up to 256 MB additional ATA format via PCMCIA or compact flash cards

Operator Controls/Indicators

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

Dimensions

10.93"W x 13.32"H x 18.69"D
(278mm x 338mm x 475mm)

Weight

32.4 lbs. (22kg)

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:

40°F to 104°F (5°C to 40°C)

Direct Thermal Operating Temp:

32°F to 104°F (0°C to 40°C)

Storage Temp:

-40°F to 140°F (-40°C to 60°C)

Humidity:

20% to 85% non-condensing

R.H. (operating); 5% to 85%

non-condensing R.H. (storage)



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