

Monarch®
Products and Services

Monarch® 9855™ RFMP Multi-Protocol RFID Printer/Encoder



AVERY DENNISON



Track and move merchandise quickly through your supply chain using many of the most popular UHF RFID protocols embedded in thermal direct or thermal transfer bar code labels, including EPC Gen 2, EPC Class 1, Gen 1 and EM 4122.

The Monarch® 9855™RFMP Printer/Encoder is the perfect solution for:

- Retail Compliance
- DoD Compliance
- Item Level, Carton and Pallet Marking
- Asset Tracking
- WIP Tracking
- More!

Reliable RFID

With the Monarch 9855RFMP printer/encoder, you'll experience the highest yield performance in the industry. This printer/encoder tests, writes and verifies the RFID chip and gives you complete verification of RFID data. It overstrikes bad labels to alert you right away if the RFID data cannot be encoded.

Versatile RFID

The Monarch 9855RFMP printer/encoder is compatible with a full range of inlays to complement your specific application, including inlays from:

- Avery Dennison
- Alien Technology
- KSW
- Raflatrac
- RF Identities
- More!

We won't approve an inlay until it meets Avery Dennison's exacting yield standards!

This versatile printer/encoder also supports 1 inch feed lengths and features full 1D and 2D bar code print capability on RFID labels.

Integrated RFID

No RFID printer/encoder is an island. That's why Avery Dennison has partnered with a wide variety of RFID software

providers, reader manufacturers, and others. We can provide a complete solution.

Flexible RFID

The Monarch® Smart Relay™ System automatically manages your mixed environments of RFID and non-RFID labeling to improve productivity and reduce waste when printing both RFID and non-RFID labels within the same application.

Compliant RFID

The Monarch 9855RFMP meets OSHA requirements for use in a workplace and is FCC certified, RoHS compliant and certified for use in over 40 countries. In addition, Avery Dennison's printer and supply manufacturing processes are ISO-9001 certified.

Connected RFID

Our innovative Dual Wireless 802.11b/g/Wired Ethernet network interface card option allows you to run your printers on a wireless network, with the ability to change to a wired connection.

Automatically switch from wireless to the wired ethernet port while retaining the IP address and without losing the session, enhancing your productivity.



Features and Specs at a Glance

- Encodes UHF Chips
- Prints Bar Code Data
- Thermal Direct or Thermal Transfer
- On-demand or Continuous
- Prints up to 12 ips
- Optional 300 dpi Printing
- Cart Ready Option Available
- Dual Wired/Wireless Ethernet Available

Dimensions:

Height – 13.0" (330 mm)
Width – 12.5" (318 mm)
Depth – 17.3" (439 mm)
Weight – 29 lbs. (13.2 kg)

Printing Method:

Thermal Direct and Thermal Transfer

Printhead:

4.0" (102 mm/812 dots)
203 dots/inch (8 dots/mm) OR
300 dots/inch (11.8 dots/mm)

Both printheads provide enhanced print quality

Operator Interface:

32-Bit 150 MHz Processor

RFID Protocols:

EPC Gen 2
EPC Class 1 Gen 1
EM 4122

Memory:

4MB Flash, 16 MB SDRAM
Optional 16MB; Configurable
8 MB RAM using these buffers:
Transmit, Receive, Image, Format,
Downloadable & Scalable Fonts

Bar Code Types:

UPCA +2/+5, UPCE +2/+5, EAN8
+2/+5, EAN13 +2/+5, Interleaved
2 of 5, Extended Code 39, Coda-

bar (NW7), Code 128, Code 93,
MSI, PDF417, Postnet, MaxiCode,
Code 16K, Quick Response (QR
Code)

Standard Fonts:

Bitmap- Standard, Reduced, Bold,
OCRA-like, CG Triumvirate, and
CG Triumvirate Bold TrueType®
- EFF Swiss Bold Supports down-
loaded double-byte (TrueType
and bitmap) fonts, allowing for
Chinese, Japanese, and Korean
character sets

Font Magnification:

1x to 7x 4 to 250 pt. for
scalable/TrueType fonts

Monarch Nationwide Service: Every Monarch printer is fully supported by Monarch Nationwide Service, the largest network of experienced, full-time bar code technicians in the industry.

Monarch Supplies: For smooth and reliable performance, only Monarch supplies are recommended for use with Monarch printers. Our labels scan virtually 100% of the time, cutting wasted rescanning and labeling time.



Printer Systems Division

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Interoperability Test approved
for Impinj® Monza™ &
Alien® Higgs



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