Avery Dennison®
Monarch®
Pathfinder®
6059 with RFID
for the Food
Supply Chain

AVERY
DENNISON

Avery Dennison® Monarch® Pathfinder 6059 with RFID for the Food Supply Chain

Digital ID solutions such as RFID dramatically improve inventory management and enable foodservice providers to see exactly what's come in, how much product is in inventory, and when it leaves — with 98% accuracy.

RFID enables automation, quality assurance, and shelf life accuracy without compromise, to locate lost products, to redirect what needs to be redirected, and to withdraw only what needs withdrawing.

RFID Labeling on Demand

The Avery Dennison Monarch Pathfinder 6059 with RFID is the only mobile one-piece solution that can encode and print RFID labels on demand. Now you can take RFID encoding and labeling right to the product.

- Empowers restaurants and stores to become 100% RFID enabled

- Scan a package, retrieve the routing information, encode RFID technology into the inlay of a label, and print the RFID-encoded label to apply to the package

- Encode cases and inner packs with source information that allows the food to be tracked and accounted for throughout the supply chain.

- Produce 2D barcodes that provide product details to the consumer

- Add RFID labels to products at the processor or distribution center as a value-added service or at restaurants or stores at receiving

The future of food is here

By adding a unique identifier and online connectivity to every item in any inventory, RFID-enabled labels let grocers, restaurants, convenience stores, and food suppliers dramatically improve inventory management, efficiency, traceability, sustainability, and customer satisfaction.

Specifications

Operating System
Android Nougat (7.1.2)

Dimensions
Height: 10.4" (264mm)
Width: 3.3" (84mm)
Depth: 7.9" (201mm)
Weight: 2.3 lbs (1.04 kg) (device with battery)
Shipping Weight: 5.9 lbs (2.6 kg)

Printing Method
Thermal Direct

Scanner
Integrated 2 Dimensional scanner

Keypad/Display
Virtual keyboard on display. Three software controlled contextual keys, off/on, trigger, 1/2 VGA (320x480 pixel) VGA color graphics LCD with touchscreen.

Memory
2GB DDR2 RAM
4GB NAND Flash
16GB SD Card

Communications
802.11 a/b/g/n/ac dual band
Bluetooth 5.1
USB 2.0 HS port (Host, Device)

Bar Code Types
UPCA +2/+5, UPCA+Price CD, UPCE +2/+5, EAN8 +2/+5, EAN13 +2/+5, EAN13+-Price CD, Interleaved 2 of 5, Interleaved 2 of 5 with Barrier Bar, Code 16K, Codabar (NW7), Code 128, Code 39, MSI, PDF417, Code 93, Postnet, Maxicode, QR Code, GS1 Databar, Data Matrix and RSS

Standard Fonts
Std AOSP Fonts (Noto, Roboto, Droid)

RFID Frequency Range
Supports FCC and ETSI frequency ranges

Supplies

The printer supports butt cut, die cut and continuous supplies.
Supply Types
Labels, tags and receipt paper

Supply Sizes
Width: 1.2" up to 2.0" (28 mm to 51 mm)
Length: 0.55" to 8.0" (14 mm to 203 mm)
Supply Roll Lengths: 420" to 580" (10.7 to 14.7 meters)
Custom lengths are available
Minimum to apply length is: 0.785" (19mm)

Supply Thickness
Tags: 7 mils (0.18 mm)
Labels: 6 mils (0.15mm)
Labels (RFID): 9 mils (0.23 mm)
Receipt Paper: 2.8 mils (0.07 mm)

Maximum Print Area
1.89" x 7.94" (48 mm x 201.7 mm)

Sensing
Black mark only
Integrated on-demand sensor

Environmental ranges

Operating Temperature
41 to 104 F (5 to 40 C)

Storage
-4 to 122 F (-20 to 50 C)

Humidity/Operating and Storage
5% to 90% non-condensing

Electrostatic Discharge and Air Quality
Some issues with electronic equipment may occur in environments prone to static discharge or extreme dust conditions. Avery Dennison suggests that you take precautions to minimize these issues.

Other features

Power Source
Monarch 7.4V Lithium Ion battery pack

AVERAGE SCAN / LOOKUP / PRINT
500ms or less

Paper Speed
up to 4 ips (127 mm/sec)

Print Ratio
30% black maximum per square inch

Inches per Charge
Up to 3,000" (76 meters) of 30% black printing on the supply. Factors such as scanning, RFID encoding, use of LAN radios and duty cycle can reduce inches printed per charge.

Battery Cycle Life
Approximately 350 full discharge cycles. Many factors affect individual battery performance.

Recommended Duty Cycle
33% duty cycle for continuous printing (5 minutes out of 15-minute time intervals). On demand or intermittent printing has no restrictions.

Accessories

- Battery (part# 12009502)
- 9462™ Single Station Battery Charger
- 9465™ Four-Station Battery Charger
- USB Cable
- 6056 Single Station Charger / Communications Dock
- 6054 Network Controller / Power Supply for Docking Station
- 6055 Docking Station
- Petite Wrist Strap Kit (part# 130604)
- Shoulder Strap Kit (part# 130605)
- Deluxe Hand Strap Kit (part# 130606)

⚠ **CAUTION**
Laser Radiation • Do not stare into beams
Class 2 laser product
IEC60825-1+A1+A2 and EN60825-1+A1+A2
PO=0,15 mW, Pp=2,0 mW, f=36Hz, lambda=650nm

Avery Dennison® Service and Support

Our technical specialists and service representatives can provide installation support, training and operating recommendations.
For more information call:
800.543.6650, option 7.

About Avery Dennison®
Freshmarx® Solutions

Freshmarx Intelligent Food Industry Solutions enable labor efficiency, food safety, sustainability and enhance the consumer experience by harnessing the power of accurate, shared data throughout the food industry supply chain.

We can help define your requirements and develop solutions that will ensure your product is safe for consumption, in compliance with regulations and trusted by the consumer. Avery Dennison can show you how to "future-proof" your operations to quickly and easily adapt to the ever-changing world of the food supply chain.

Freshmarx® Intelligent Food Industry Solutions

Freshmarx Inventory Solutions Inventory Verification and Visibility	Freshmarx Operations Solutions Operational Accuracy and Efficiency
- Produce Traceability Compliance - Lot/Date Traceability - Outbound/Inbound Inventory Tracking - Transformation Tracking - Serialized Inner Pack Labeling - On-Demand RFID Labeling - Item Level Verification - Case Level Verification - Meal-Kit Assembly - Expiration Management/FEFO - Automated Ordering - Recall Tracking - Provenance Tracking - Omnichannel Optimization - Frictionless Checkout	- Food Prep and Forecasting - Temperature Monitoring & HACCP Checks - Nutritional Labeling - Food Waste and Donation Tracking - Automated Checklist - Automated Package Labeling - Quality Assurance - Distributor communications - Special environment labeling (cold,hot metal)

Freshmarx® analysis, deployment and support

Freshtrax Analysis	Freshmarx RFID Design and Deployment	Freshmarx Systems Integration	Freshmarx Service and Support

Grower   Processor   Distributor   Goods In   Kitchen   Restaurant   Grocery and Convenience Store

Not sure where to start?

Determining the right Freshmarx Solution for your foodservice environment begins with a Freshmarx Freshtrax Analysis.

Freshtrax is a complimentary analysis program where our consultants review your operations and identify process improvements. Our experts partner with you to examine each step of your everyday processes and operations and work with you to create a plan to:

- Increase labor efficiency
- Enable traceability and transparency
- Ensure food safety
- Create processes that promote sustainability
- Enhance consumer experience

To request a Freshtrax analysis and explore how Freshmarx Solutions can improve your food service environment, call: 800.543.6650 or email: identification.solutions@averydennison.com

Harnessing the power of accurate, shared data throughout the food industry supply chain to enable labor efficiency, food safety, sustainability and enhance the consumer experience.

Contact us

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