

**Avery Dennison**  
Printer Solutions

**Monarch**  
Intelligent Logistics Solutions

# Avery Dennison® Monarch® Pathfinder® 6059 Solution



[www.monarch.com](http://www.monarch.com)

# Supply Chain Challenges in The World of Omni-Channel

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With omni-channel allowing for multiple methods to purchase product, customer demands are escalated. Meeting omni-channel demands can create significant challenges with processes throughout the supply chain. Facilities are challenged with managing and routing a much higher volume at a much faster speed, all the while experiencing the common challenge of labor shortage. This brings forward the question of how to thrive in this fastpaced world of logistics today?

- Increased need for highly efficient pick, pack, ship processes
- Need for heightened inventory accuracy/integrity and tracking



# Avery Dennison® Monarch® Pathfinder® 6059 Solution

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## Two models for the Pathfinder 6059:

**1) RFID** – Provides the capability to encode the RFID inlay that is in each label with product specific information that can then be read with an RFID reader.

**2) Non-RFID** – All the benefits of the existing Pathfinder Solution.

## All-in-one – scan, print, apply

The Pathfinder 6059 Solution:

- Combines scan, lookup, and label application all with one device.
- Powered by the Android operating system – enabling enhanced security, flexibility and IT/ user acceptance.
- Is an inventory management and routing tool which allows operators to quickly and accurately scan inbound goods to capture shipment data as well as print labels to apply on packages enabling efficient cross docking and/or warehouse routing.

## What it can do for your facility:

The Pathfinder 6059 allows you to:

- Enable facility operators to perform scanning and labeling processes with greater speed and accuracy than 2-piece solutions.

## Now with RFID option – scan, encode, print, apply

The Pathfinder 6059 RFID offers portable RFID encoding, empowering full inventory visibility and tracking throughout the entire supply chain.

- Add RFID labels to unique items that are difficult to tag at source.
- Add RFID labels to items in VAS area, allowing inventory tracking on specific items.
- Enables Last Mile fulfillment.

## These enhanced capabilities result in:

### Increased Accuracy

- 43% faster than any 2-piece system.



# 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

USB 2.0 HS port (Host, Device)

Optional: 802.11 a/b/g/n/ac dual band

Bluetooth 5.1

## 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)



## 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.

**Our Monarch® intelligent logistics solutions enable enhanced inventory visibility ensuring the most efficient omni-channel fulfillment process, reducing labor costs and driving locity to create a positive consumer experience.**

## Contact us

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