

# RFID Developer's Kit



## Try them all!

### Now you have options for your antenna selection

**Easy to use**  
**Lots of choices**  
**Great performance**  
**Outstanding value**

Designing an RFID system can be challenging. Each network is different and faces unique challenges. A set-up that works in one store or factory may not work in the next due to an unexpected source of interference.

If you have ever asked yourself...would this work better with a little more gain? ...or with a little less gain? ...or maybe with dual-polarity rather than circular-polarity? Then the RFID Developer's Kit from Mobile Mark is designed for you.

The Developer's Kit is a convenient way to see the impact of different style antennas.

Nine different models are available ranging from the compact CVS-915 (2.5 dBi gain, linear polarity) to the powerful PN10-915RCP (10 dBic gain, right hand circular polarity). The Kits cover US RFID systems at 915 MHz or European systems at 868 MHz. Additional antennas are available for 2.4 GHz RTLS systems.

Each of the antennas brings something special to the product offering. From gain to form factor to mounting style, there is an antenna that is just right for your installation.

Let Mobile Mark's experience in antenna design and manufacturing work for you.

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

**Company profile:** Mobile Mark, Inc. designs and manufactures site, mobile and device antennas for 137 MHz – 9 GHz. In addition to RFID, applications include GPS Tracking & Fleet Management, Cellular GSM/CDMA, LTE, WiMAX, WiFi, Public Safety, Military and Machine-to-Machine (M2M). Engineering and custom design services available.

Mobile Mark's global headquarters, which include research facilities and manufacturing plant, are located near Chicago, IL. Antennas for the US market are Made in-the-USA. An additional manufacturing and sales facility is located near Birmingham, UK. Complete information can be found on the website: [www.mobilemark.com](http://www.mobilemark.com).

**MOBILE MARK**<sup>®</sup>  
COMMUNICATION ANTENNAS

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# RFID Developer's Kit



CVS-915  
Smart shelf

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 2.5 dBi  
**Cable:** RG-174, 8 ft (2.4 meters)  
**Connector:** SMA plug (male) standard  
**Case:** 3.75"L x 1 1/4"W x 3/8"D (10 cm x 4 cm x 1 cm)  
**Case Material:** Black ASA  
**Mounting:** Tape mount



CVO-915  
Patch

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 2.5 dBi Linear  
**Cable:** RG-58, 8ft (2.4 meters)  
**Connector:** SMA plug (male) standard  
**Case:** 4.75"L x 3.6"W x 0.88"H (12 cm x 10 cm x 2 cm)  
**Case Material:** Black ABS  
**Mounting:** Ear Holes (screw mount)



NLM-915  
Nearfield loop

**Frequency:** 915 MHz (or 868 MHz)  
**Read Range:** Up to 3 ft (1 m)  
**Cable:** RG-58, 1ft (30.5 cm)  
**Connector:** Rev Pol SMA plug (male)  
**Size:** 4.5" dia. x 1" deep (11.4 cm x 2.5 cm)  
**Case Material:** White ASA  
**Mounting:** Swivel wall mount or tape flush mount



DLM3-915  
Dual polarity

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 3 dBi Dual Polarized  
**Cable:** RG-58, 6" (15 cm)  
**Connector:** SMA plug (male) standard  
**Case:** 4.5" dia. x 1" deep (11 cm x 3 cm)  
**Case Material:** White ASA  
**Mounting:** Swivel Wall Mount or tape flush mount



PN6-915RCP  
Slimline

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 6 dBi LHCP or RHCP  
**Cable:** RG-58, 6 in (152 mm)  
**Connector:** SMA plug (male) standard  
**Case:** 5.75" square x 0.7" D (15 cm square x 2 cm)  
**Case Material:** White ASA  
**Mounting:** Swivel Wall Mount



HD7-915RCP  
Heavy duty

**Frequency:** 915 MHz  
**Gain:** 7 dBi RHCP  
**Connector:** Integrated N Jack (Female)  
**Size:** 8.25"Hx 8.25"Wx x .75"D (21 cm x 21 cm x 1.9 cm)  
**Case Material:** Black ASA  
**Mounting:** 4 hole corner mount



PN7-915PT  
Forklift

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 7 dBi LHCP or RHCP  
**Cable:** RG-58, 12 inches (30 cm)  
**Connector:** Pigtail w/ SMA plug (male)  
**Case:** 6.75" square x 2" D (17 cm square x 5 cm)  
**Case Material:** Black ABS  
**Mounting:** Built in Screw holes, optional Forklift Clamp Bracket



PN8-915RCP  
Mid-range

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 8 dBi, LHCP or RHCP  
**Cable:** RG-58, 12 inches (30 cm)  
**Connector:** SMA plug (male) standard  
**Size:** 9" square x 1.6" (23 cm square x 4 cm)  
**Case Material:** Grey ASA  
**Mounting:** Pipe mounting; L-Bracket with U-Bolt  
 Optional wall/swivel mount



PN10-915RCP  
High gain

**Frequency:** 915 MHz (or 868 MHz)  
**Gain:** 10 dBi LHCP or RHCP  
**Cable:** RF-195, 12 inches (30 cm)  
**Connector:** "N" jack (female)  
**Case:** 12.25"square x 3.5"D (31 cm square x 9 cm)  
**Case Material:** Grey ABS  
**Mounting:** Swivel Wall/Pole Mount

Notes: Limit 2 Kits per customer. For European models specify 868 MHz instead of 915 MHz.

*Specifications subject to change without notice.*

## RFID Developer's Kit - 3 packages available

**MOBILE MARK**  
COMMUNICATION ANTENNAS

### Option 1: Lower Gain, (Compact)

CVS-915  
CVO-915  
NLM-915  
DLM3-915  
PN6-915RCP

### Option 2: Higher Gain

PN6-915RCP  
HD7-915  
PN7-915PT  
PN8-915RCP  
PN10-915RCP

### Option 3: Complete Package

CVS-915  
CVO-915  
NLM-915  
DLM3-915  
PN6-915RCP  
HD7-915RCP  
PN7-915PT  
PN8-915RCP  
PN10-915RCP