

## Panel Antennas, 6 dBi, RFID & ISM



PN6-915 Patch



Swivel  
mounting  
bracket

- Weatherproof radome; perfect for in-building & outdoor coverage
- 6 dBi gain for 915 RFID (US), 868 RFID (EU), and 915 ISM
- Available in Right Hand and Left Hand Circularly Polarized (CP)
- Pole or wall mount makes installation easy and quick

Mobile Mark's Patch Antennas are perfect for RFID systems, as well as other applications in the ISM band. They have features that solve many of the problems normally associated with 900 MHz patch designs.

The PN6 Series antennas are available as either circularly polarized righthand or lefthand. With 5.5 dBi gain, these antennas can provide an improvement in system performance over micro sized patch.

For RFID applications, these antennas are typically used for mid-range reader applications, portals and conveyor belts.

These patch antennas are small (5.75 in, 146 mm square) and attractive. Mounted in a parallel wall mount application would provide a 2.7 inch standout (69 mm). The radome is a durable ASA material, finished in white. Mounting hardware provided includes a swivel wall mount

and stainless steel clamp for pole mounting. The antenna terminates with 6 inches of RG-58 cable (152 mm) and SMA Plug (Male) connector.

Note: Some RFID readers have an antenna sense circuit, and are looking for a 10K ohm resistor in the antenna. This is now a standard feature for the PN6 Series.

### Model Number

Models	Description
PN6-915RCP	5.5 dBic, RHCP for US RFID
PN6-915LCP	5.5 dBic, LHCP for US RFID
PN6-868LCP	5.5 dBic LHCP for EU RFID
PN6-868RCP	5.5 dBic RHCP for EU RFID

For other connector & cable configurations, please contact your sales representative

### Specifications

<b>Frequency:</b>		<b>Mounting:</b>	Standard, Swivel Wall/pole mounting with hose clamp
PN6-915 Series	902 - 928 MHz	<b>Antenna Radome:</b>	White ASA
PN6-868 Series	865 - 870 MHz	<b>Radome Size:</b>	5.75" Hx 5.75" Wx 0.7" D (146 mm x146mm x 18 mm)
<b>Gain:</b>	5.5 dBi maximum	<b>Weight:</b>	1.1 lbs (0.5 kg)
<b>VSWR:</b>	2:1 max over range	<b>Termination:</b>	6"(152 mm) RG-58/SMA Plug
<b>Impedance:</b>	50 Ohm nominal	<b>Sense Resistor:</b>	Built in 10k ohm resistor for reader with "sensing" circuits.
<b>Maximum Power:</b>	10 Watts	<b>Shock &amp; Vibration:</b>	EN 61373, IEEE 1478, MIL-810G
<b>Beamwidth:</b>	80° elevation, 80° azimuth	<b>Water Ingress</b>	IPx5
<b>Front-to-Back ratio:</b>	10 dB		
<b>Operating Temp:</b>	-40°C to +85°C		
<b>Lightning Protection:</b>	External recommended		