



Panel Antennas, 6 dBic, RFID & ISM

- 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 PN6 Series antennas have been a popular solution for many RFID systems. These mid-gain antennas are ideal for systems where the tags read are neither too close not too far from the reader.

The PN6-915 antennas have also been used for applications in the ISM 915 band.

Mobile Mark's Patch Antennas are perfect for RFID systems, as well as other applications in the ISM 915 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 dBic 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. When mounted on a wall the compact mounting configuration only requires a minimum of 2.7 inch (69 mm) clearance. The radome is a durable ASA material, finished in white. The standard mounting hardware provided includes a swivel wall mount and a

stainless steel clamp for pole mounting. Other options include a tape or velcro mount.

The antenna terminates with 6 inches of RG-58 cable (152 mm) and SMA Plug (Male) connector. Longer lengths are available, please consult your sales representative.

The PN6 Series has a DC shorted front end and is compatible with antenna sensing circuits found in the current generation of RFID readers. If your reader has a feature that requires a 10K ohm resistor, the PN6 antenna can be special ordered with this feature.

Model #	Description
PN6-915RCP-1C-WHT-6	RHCP for US RFID
PN6-915LCP-1C-WHT-6	LHCP for US RFID
PN6-868LCP-1C-WHT-6	LHCP for EU RFID
PN6-868RCP-1C-WHT-6	RHCP for EU RFID
Add -FV for a Velcro mount optional	
Add -FT for a Tape mount optional	
For other connector & cable configurations, please contact your sales representative	

Specifications

Frequency:	PN6-915 Series 902 - 928 MHz	PN6-868 Series 865 - 870 MHz	Lightning Protection:	External recommended White ASA
Gain:	PN6-915 Series 6 dBic	PN6-868 Series 5 dBic	Antenna Radome:	
Axial Ratio:	3 db Max		Mounting:	Swivel Wall/pole mounting with hose clamp
VSWR:	2:1 max over range		Standard	Flat backing plate w/ Velcro
Impedance:	50 Ohm nominal		Velcro optional	Flat backing plate w/ Tape
Maximum Power:	10 Watts		Tape optional	5.75" Hx 5.75" Wx 0.7" D (146 mm x146mm x 18 mm)
Beamwidth:	80° elevation, 80° azimuth		Radome Size:	1.1 lbs (0.5 kg)
Front-to-Back ratio:	10 dB		Weight:	6"(152 mm) RG-58/SMA Plug
Operating Temp:	-40°C to +85°C		Termination:	EN 61373, IEEE 1478, MIL-810G
			Shock & Vibration:	IPx5
			Water Ingress:	