



Directional Antenna,
Panel



Panel Mounting
Bracket

700 MHz Directional Panel 694-806 MHz

- Panel Antenna with pipe mount
- Covers 694-806 MHz with 9 dBi gain
- Easy install; U-bolt connection to poles with outside diameter up to 2.5 inches
- Ideal for high power radios; can handle up to 50 watts

Mobile Mark now offers the PN9-700-GRY Panel Antenna that covers the entire 700 Mhz band from 694 – 806 MHz. It can be used for system fill-in for Commercial 700 MHz LTE networks as well as for Public Safety 700 MHz FirstNet network.

The antenna offers 9 dBi gain across the band with a maximum VSWR of 2:1. The antenna is vertical polarization with a front-to-back ratio of 15 dB.

The gain and beamwidth of this antenna provides the options of using the antenna for either point-to-point or point-to-multipoint applications. The antenna provides directional coverage with 62° vertical beamwidth and a 62° horizontal beamwidth.

The PN9-700-GRY is housed in an attractive grey colored ABS radomes measuring 10" wide, 10" tall and 2.4" deep (25 cm x 25 cm x 6 cm).

A Heavy Duty Pole mounting bracket is packaged separately and is easily attached to the back of the antenna. The mounting bracket

will accommodate pipes of up to 2.5 inches (6 cm) in outside diameter (OD). All mounting hardware is included.

The mounting brackets can accommodate tilt in the elevation axis of up to 20° adjustment in downtilt.

Antenna and shipping bracket together weigh 2.2 lbs (1 kg). A built-in TNC jack (female) connector is located on the back of the antenna.

Jumper cables can be ordered separately. Mobile Mark offers a wide range of custom built jumper cables with a choice of cables and connectors.

Lightning protection is recommended and is also available from Mobile Mark as an accessory.

Model #	Frequency	Gain
PN9-700-GRY	694-806 MHz	9 dBi
Jumper cables are also available, built to order.		

Specifications			
Frequency:	694-806 MHz	Mounting:	Heavy Duty Pole Mounting Kit included for masts up to 2.5" (6.4 cm) OD Packaged separately
Gain:	9 dBi	Connector:	TNC Jack (Female), attached at rear of antenna
VSWR:	2:1 max over range	Jumper Cables:	Custom jumper cables sold separately
Impedance:	50 Ohm nominal	Lightning Protection:	External recommended
Maximum power:	50 Watts	Max Wind Velocity:	125 mph (200 kph)
Beamwidth:	62° Az, 62°El	Operating Temp:	-40° to +85° C
Adjustment:	Up to 20° downtilt	Weight:	2.2 lbs (1 kg) with bracket
Front to Back Ratio:	15 dB or better		
Polarization:	Vertical		
Case size:	10"W x 10"H x 2.4"D (25 cm x 25 cm x 6 cm)		
Case Material:	UV resistant ABS		
Color:	Light Grey		