



Heavy Duty Panel Antennas



Heavy Duty Mount

Directional Panel Large Heavy Duty, 2.5-2.7 GHz

- Four models ranging from 13 dBi to 17 dBi
- Sector coverage ranges from 45° to 120°
- Easy to alignment; up to 30° adjustment in downtilt
- Supplied with heavy-duty adjustable pole mount brackets

The Panel Antenna series contains four different models, ranging from 13 dBi to 17 dBi gain and covering the entire WiMAX band at 2.5-2.7 GHz. The corresponding beamwidths for these antennas range from 45° to 120° sectors.

The narrower the sector beamwidth the further the signal is transmitted; which means that the narrowest sector (45°) produces the highest gain (17 dBi gain).

Front to back ratio is maintained at better than 20 dB for all models, allowing for true sectorization.

Mobile Mark's panel antennas are excellent for deploying point-to-point and point-to-multipoint applications. The antennas are housed in attractive UV-protected Polystyrene radomes measuring 6 1/4" (158 mm) wide, 24 1/4" (616 mm) tall and 2 3/4" (70 mm) deep. The radome shape is designed to prevent build up or ice and snow.

Units can be added or removed as network deployments change. All models are supplied with heavy-duty adjustable pole mount brackets which accommodate pipes of up to 4 1/2 (114 mm) inches in diameter.

The mounting bracket hardware and all bolts are made from stainless steel.

These Large Panel Antennas are designed for easy alignment; the mounting brackets can accommodate tilt in the elevation axis of up to 30° adjustment in downtilt.

The antennas are extremely rugged and dependable; the antennas and brackets can handle operational loading of up to 125+ mph winds.

Model #	Description
PN13-2600-120-WHT	13 dBi, 120° Sector
PN15-2600-90-WHT	15 dBi, 90° Sector
PN16-2600-60-WHT	16 dBi, 60° Sector
PN17-2600-45-WHT	17 dBi, 45° Sector

Models include heavy duty adjustable pole mount brackets. Connector is N female. Jumper cables are also available, built to order.

Specifications			
Frequency:	2.5-2.7 GHz	Case size:	6.25"W x 24.25"H x 2.75"D (15.8 cm x 61.6 cm x 7.0 cm)
Gain:	See model table	Color:	White
VSWR:	2:1 max over band	Mounting:	Heavy Duty Pole Mounting Kit mounts to pipe up to 4 1/2" (11.4 cm)
Impedance:	50 Ohm nominal	Tilt Range:	0° to 30°
Maximum power:	100 Watts	Connector:	N female, attached at rear
Beamwidth:		Jumper Cables:	Custom jumper cables sold separately, including LMR-400
PN13-2600-120	120° Az, 11° El	Operating Temp:	-40° to +85° C
PN15-2600-90	90° Az, 11° El		
PN16-2600-60	60° Az, 11° El		
PN17-2600-45	45° Az, 11° El		
Front to Back Ratio:	>20 dB		
Lightning Protection:	External Recommended		
Max Wind Velocity:	125 mph (193 kph)		
Material:	White UV Stable Polystyrene		