

Directional/Sector Antennas (Pat.Pend.) for 2.6/3.5 GHz WiMAX & 802.11 WiFi



PN Series
Sector Antenna



Adjustable Pole
Mount Bracket

- High gain 12 dBi for point to point and multipoint applications
- Attractive low profile styling can be used for access point or subscriber
- Models cover 2.4 GHz WiFi, 2.5 - 2.7 GHz WiMAX, and 3.4 - 3.7 GHz WiMAX
- Standard pole mount hardware included

Mobile Mark's high frequency Panel antenna is designed for new Broadband systems, including WiMAX. These advanced designs accommodate the high-speed wideband performance that the new services will provide.

The PN12 sectorized panel antenna is excellent for deploying point to multipoint applications. The panel antenna is a broadband design that uses the latest PCB technology. By designing the antenna specifically for WiMAX or WiFi, we've made this model much smaller, higher performance and lower cost than most competitor offerings. The PN12-2600-90 model is offered in a 90° sector, model PN12-3500-120 is offered in a 120° sector. For WiFi, model PN12-2400-90 offers a 90° sector.

The PN12 series housing is a very attractive white ABS plastic. Compact in size, 12.5" H x 3" W (32 cm x 7.6 cm) this antenna will be unobtrusive in any indoor or outdoor environment.

The PN12 has an adjustable metal bracket, that allows easy alignment and tilt. The unit can be adjusted down in a vertical axis using either the fixed tilt positions, or over a continuous range using a sliding slot. An optional mount-

ing bracket adapter can be provided for wall mount. With these full features, an array of antennas can be field assembled to provide a complete omni-cell.

For maximum reliability and weatherproofing, the antennas are provided with a female N connector. The N connector exits at the back of these models.

Jumper cable assemblies are also available from Mobile Mark. We make custom assemblies using a variety of cables including low loss RF-400, RF-195, and traditional RG-58.

Antenna Model Numbers

Model	Gain	Freq (GHz)	Sector Size
PN12-2400-90	12 dBi	2.4 - 2.485	90 degrees
PN12-2600-90	12 dBi	2.5 - 2.7	90 degrees
PN12-3500-120	12 dBi	3.4 - 3.7	120 degrees

Models include adjustable tilt pole mount & U-Bolts, optional wall mount bracket. Connector is N female. Jumper cables are also available, built to order.

Specifications

Frequency:	See above
Gain:	12 dBi
Bandwidth@2:1 VSWR:	See above
Impedance:	50 Ohm nominal
Max Power:	25 watts
Beamwidth:	
PN12-2400-90	90° Az, 22° El
PN12-2600-90	90° Az, 22° El
PN12-3500-120	120° Az, 10° El
Front to Back Ratio:	25 dB or better
Lightning Protection:	External recommended
Max Wind Velocity:	125 mph (200 kph)

Material:	White ABS radome
Temperature:	-40 C to +80C
Dimensions:	12.5" H x 3" W (all models) 32 cm x 7.6 cm
Weight:	1 lbs (0.45 kG)
Mounting:	Pole mount with U-Bolts optional wall mount
Bracket:	Up to 60 degree down tilt 3 7/8" standoff (98.5 mm)
Connector:	Integral Female N Custom jumper cables are available upon request