



**PS Series Sector
Antenna**



**Adjustable Pole
Mount Bracket**



**Optional Wall
Mount Bracket**

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

The PS Series sectorized panel antenna is excellent for deploying point to multipoint applications. The panel antenna is a broadband design that uses advanced PCB technology.

By designing the antenna specifically for WiFi, we've made this model much smaller, higher performance and lower cost than most competitor offerings.

The PS Series housing is a very attractive grey Polystyrene 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 PS12-2400-90 model for WiFi 2.4 GHz is offered in a 90° sector in the horizontal beam. The antenna has a 22° vertical beam.

The PS Series has an adjustable metal bracket, that allows easy alignment and tilt. The unit can be adjusted down in a vertical axis

Directional Antennas, Sector Panels, WiFi 2.4 GHz

- High gain 12 dBi for point to point and multipoint applications
- Attractive low profile styling can be used for access point or subscriber
- Model covers 2.4 GHz WiFi
- Standard pole mount hardware included

in a continuous range using a sliding slot. With these full features, an array of antennas can be field assembled to provide a complete omni-cell.

An optional mounting bracket adapter can be provided for wall mount. Wall mounting allows for both vertical & horizontal adjustment

For maximum reliability and weatherproofing, the antennas are outfitted with an N connector at the back of these models.

Custom cable assemblies are available using a variety of cables including low loss LMR-400, RF-195, and traditional RG-58.

| Model # | Gain | Frequency | Sector Size |
|--------------------------------------------------------------------------|---------------------|-----------------|-------------|
| PS12-2400-90 | 12 dBi | 2.4 - 2.485 GHz | 90 degrees |
| PN-WMK | Optional Wall Mount | | |
| Connector is N female. Jumper cables are also available, built to order. | | | |

Specifications

| | |
|-----------------------|-----------------------------------------------|
| Frequency: | 2.4-2.485 GHz |
| Gain: | 12 dBi |
| VSWR Max: | 2:1 |
| Impedance: | 50 Ohm nominal |
| Max Power: | 25 watts |
| Beamwidth: | 90° Az, 22° El |
| Front to Back Ratio: | 25 dB or better |
| Lightning Protection: | External recommended |
| Max Wind Velocity: | 125 + mph (193 kph) |
| Material: | Light Grey Polystyrene radome |
| Temperature: | -40° C to +85° C |
| Dimensions: | 12.5" H x 3" W (all models) 32 cm x 7.6 cm |

| | |
|----------------------|-----------------------------------------------------------------------------|
| Weight: | 1 lb (0.45 kg) |
| Mounting: | Adjustable pole mount, and Stainless steel U Bolts; up to 2.5" D mast |
| Adjustment: | Up to 45 degrees vertical |
| Optional Wall Mount: | Vert & Horiz adjustment |
| Connector: | Integral N Female |