



WAE-5023PA

5GHz 23dBi Outdoor Patch Antenna

Heavy wind Resistant Antenna

The WAE-5023PA is a 5.15~5.825GHZ full range 23dBi wireless panel antenna constructed of heavy wind resistant material. Unlike other low quality antennas that will flex in the wind and cause frequent signal loss. The WAE-5023 PA provide rock solid stability that can withstand strong wind at up to 216Km/h. The directional (horizontal 9 degree, vertical 9 degree) characteristic allow the antenna to focus its signal for longer distance. It is very suitable for outdoor client-to-AP application or point-to-point bridge use. The antenna is equipped with female N-Type connector for use with outdoor cable.

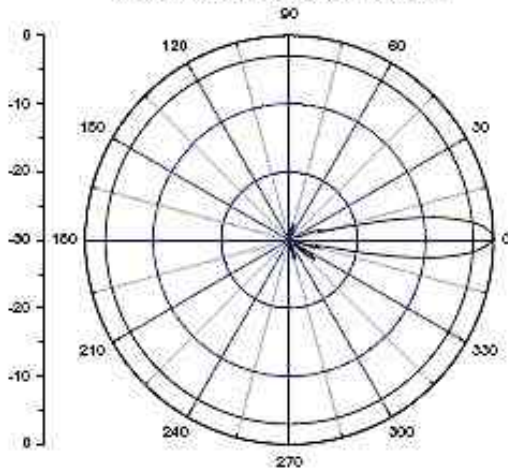


Focus AP's signal for longer distance

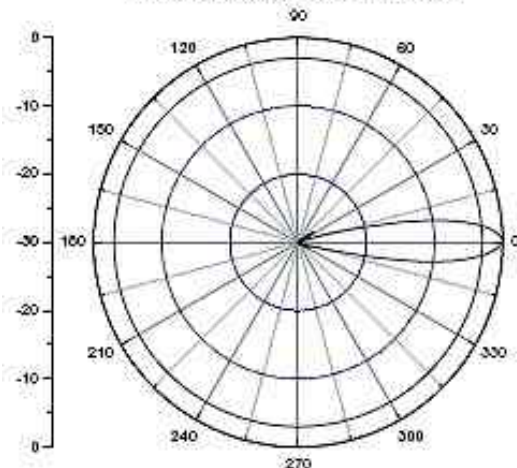
Wireless signal loses a majority of its strength when penetrating a concrete wall. Therefore, indoor AP has difficulty to makes its signal available outside of the building. The WAE-5023PA allows your AP's antenna to extend outside, mounting on a rooftop or outside wall. Furthermore, patch antenna focus the antenna signal in a particular direction to allow secure signal transmission over longer distance. This is essential for outdoor point-to-pint bridge use. The antenna comes with N-Type

connector to connect with outdoor AP. To connect with indoor AP's reversed-SMA connector, a RG316-SNF adapter cable and RG213-SNN cable is required

V-Plane Co-polarization Pattern



H-Plane Co-polarization Pattern





Specification

Connector type

- Female N-Type

Recommended adapter and cable

- [RG-213-SNN](#) cable required for connection with outdoor AP
- [RG316-SNM](#) cable required for short connection(30cm) with indoor AP
- [RG316-SNF](#) and [SG213-SNN](#) required for longer distance(>30cm) with indoor AP

Frequency range

- 5.15~5.875GHz

Impedance

- 50 Ohms

VSWR

- 2.0:1 Max

Gain:

- 23 dBi

Radiation

- Directional

- 9 degree horizontal, 9 degree vertical

Survival Wind speed

- 216 km/hr

Radome Material

- PC, UV Resistant

Polarization

- Linear

Temperature:

- Operating: -40 to +80 degree C

Lighting Protection:

- DC Ground

Light Protection

- 320 x 320 x 18 mm
- 1.2kg

Ordering Information

WAE-5023PA 5GHz 23dBi Outdoor Patch Antenna



antenna body



wall mount kit



pole mount kit