

029308M Indoor Directional 8dBi Panel Antenna

WLAN & 2.4GHz ISM Applications

Features

- Small weatherproof radome; perfect for in building coverage.
- 8dBi Gain for 2.4GHz ISM and WLAN applications.
- Semi-hemisphere radiation pattern for easy installation.
- Unique design provides high performance at an economical price.



Description

Benelec's 2.4GHz Patch Antennas are perfect for Wireless LAN systems, as well as other applications in the ISM band. They have features that make them invaluable, solving many of the problems normally associated with 2.4GHz patch designs.

The antennas use unique designs that provide significant improvements in efficiency while being very economical. VSWR performance is maintained across the operating bandwidth. The antennas provide near hemispherical energy radiation, resulting in broad area coverage, yet maintaining directivity and isolation.

The Patch antenna is small and provides an attractive design. It has a size of 89mm W x 127mm H. The radome is an extremely durable polycarbonate material. It is finished in ergo white with stylized accents. The mount for the antenna allows it to snap in, and then click swivel from side-to-side. It can be adjusted over a range of $\pm 60^\circ$. It is durable and weatherproof. The mount allows low profile surface mount installation (698mm). The antenna provides a right angle female SMA connector that exits at the rear.

| <u>Model</u> | <u>Description</u> |
|--------------|---|
| 029308M | 8dBi Swivel Patch Antenna c/w SMA and mounting hardware |

Special configurations may be available, please consult factory.

Specifications

| | | | |
|------------------------------|----------------------------|------------------------------|---|
| Frequency: | 2400-2485MHz | Lightning Protection: | External recommended |
| Gain: | 8dBi | Rated Wind Velocity: | 160kph+ |
| Beamwidth: | 50 elevations, 70 azimuths | Antenna Radome: | Polycarbonate |
| Bandwidth @ 2:1 VSWR: | 85MHz | Weight: | 0.2kg |
| Nominal Impedance: | 50 ohm | Termination: | SMA female (right angle) |
| Maximum Power: | 50 watts | Mounting: | Swivel Surface Mount |
| Front-to-Back ratio: | 15d | | |
| Radome Size: | 89mm W x 127mm H x 70mm D | | For special configurations, please consult factory. |