



High Performance Omnidirectional 2.4GHz; 12dBi

Description

The QPCOM QP-AO24012 is a high gain omnidirectional base station WiFi antenna designed and optimized for the 2.4GHz ISM band. This lightweight antenna is ideally suited for IEEE 802.11b, 802.11g and 802.11n wireless LANs, Bluetooth® and other multipoint applications where long range and wide coverage is desired.

This WiFi antenna features a 12 inch coax lead. The mounting system consists of a steel bracket and a pair of 2.5 inch U-bolts, allowing installation on masts up to 2.0 inches in diameter.

QP - AO24012 Series

Wireless LAN Omnidirectional i Antenna

Features

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N, MIMO)
- Superior performance
- Lightweight fiberglass radome
- All weather operation
- Heavy-duty steel mounting brackets
- DC Short lightning protection
- 12 inch coax lead

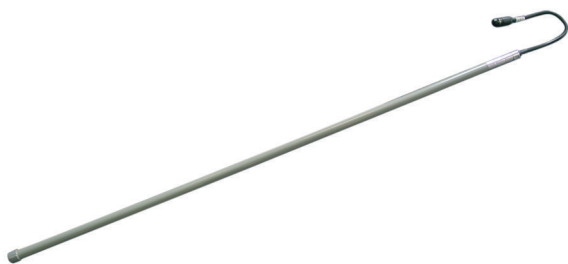
Applications

- Bluetooth
- WiFi Systems
- Public Wireless Hotspot
- Wireless Video Systems
- Multipoint Applications

Avai ble Models

| Model | Connector |
|--------------------|--------------------------------|
| Q P-AO 24 O1 2-NF | N-F em ale |
| Q P-AO 24 O1 2-NM | N-M ale |
| Q P-AO 24 O1 2-RTP | Re ve rse Po lar ity N TC Plug |





QP - A024012 Series

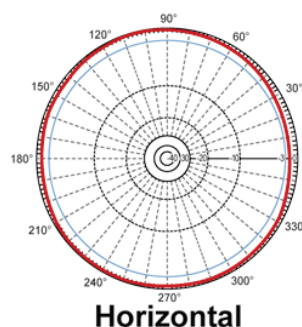
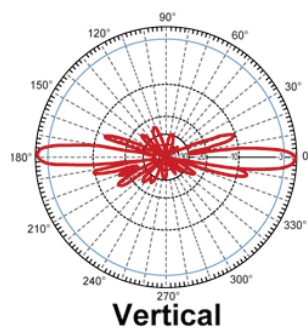
Wireless LAN Omnidirectional i Antenna

Specifications

Electrical Specifications

| | |
|-----------------------|---------------|
| Frequency | 2400-2500 MHz |
| Gain | 12 dBi |
| Polarization | Vertical |
| Horizontal Beam Width | 360° |
| Vertical Beam Width | 8° |
| Front to Back Ratio | 24 dB |
| Impedance | 50 Ohm |
| Max. Input Power | 50 Watts |
| Side lobe | -20 dB Max |

RF Antenna Patterns



Physical Specifications

| | |
|-----------------------|--|
| Weight | 1.7 lbs. (0.8 kg) |
| Dimensions | 48 in (1.2 m) x 0.740 in diameter (18.8mm) |
| Radome Material | Grey Fiberglass |
| Flame Rating | UL 94HB |
| Wind Survival | >150 MPH (241 KPH) |
| RoHS Compliant | Yes |
| Mounting | 2 in diameter mast max |
| Operating Temperature | -40° C to 85° C (-40° F to 185° F) |

